STAINLESS TYPE ステンレスタイプ

ACRK SERIES

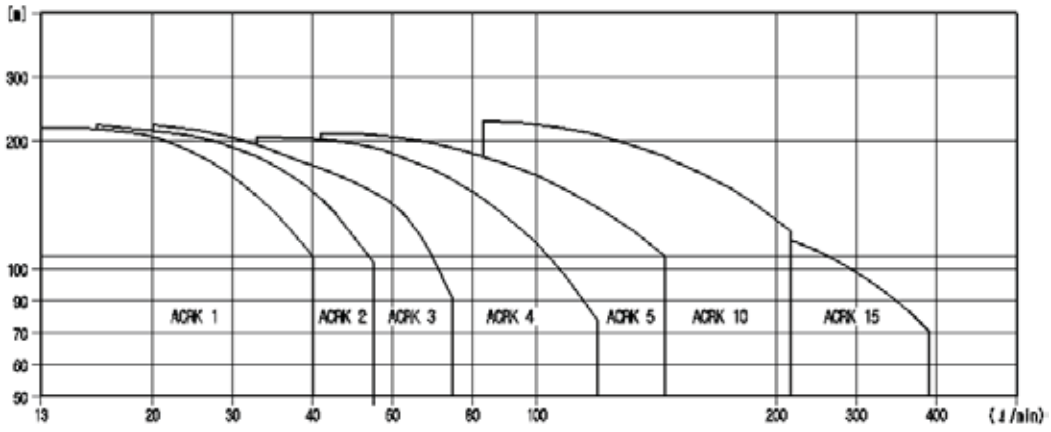


ACRK	4	–	50 / 3	–	F	–	SC	–	2/2
①	②		③ ④		⑤		⑥		⑦

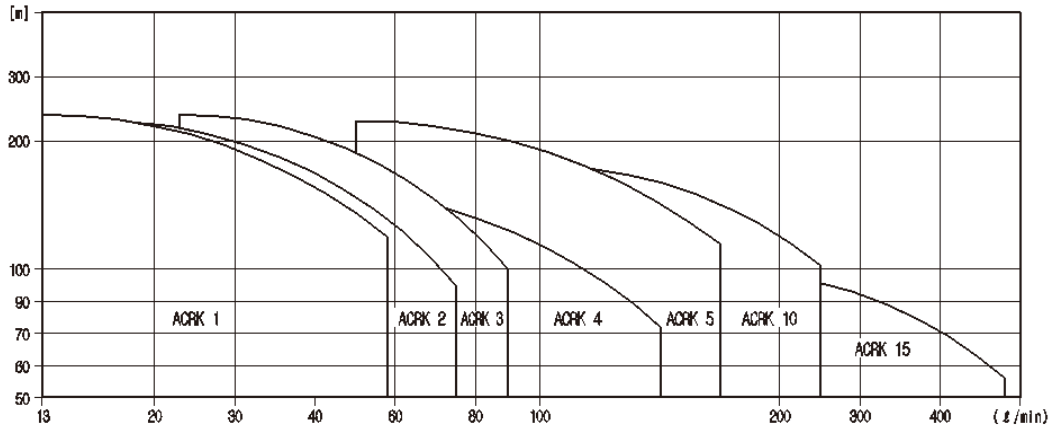
①	MODEL
②	Standard flow / 標準流量 (m^3/h) 1 , 2, 3, 4, 5, 10, 15
③	Number of chambers / チャンバーの数 x 10
④	Number of impeller stages/ インペラ段数
⑤	Outlet shape/ 出口形状 F : OUTLET Flange Type + M/Seal Clutch Type B : OUTLET Screw Type + M/Seal Cartridge Type
⑥	Mechanical Seal material / 材質 SC : Sic + Carbon, ST : Sic + T/C, TT : T/C + T/C
⑦	Voltage / 電圧 2/2 : 200/220V, 2/3 : 220/380V, 4/4 : 415/440V
⑧	IV : Inverter application/ インバーターアプリケーション - Option

» Performance range・性能範囲

50Hz



60Hz



» Coverage・カバレッジ

- ACRK Series is a high-lift multi-stage centrifugal pump, which is mainly used for high-precision, high-performance machine tools that require high pressure, and is very suitable for cooling or cleaning workpieces.
- This pump is applied to the cooling system of machine tools such as NC.CNC lathe, machining center, grinding machine, industrial washing machine, filtering system, etc. The material of the important part of the pump is made of stainless steel, and a fluorine material (FKM) mechanical seal is installed, so it is resistant to temperature and has good durability

- ACRKシリーズは、主に高圧を必要とする高精度、高性能の工作機械に使用される高揚力多段遠心ポンプであり、ワークの冷却や洗浄に最適です。
- このポンプは、NC.CNC旋盤、マシニングセンター、研削盤、工業用洗濯機、ろ過システムなどの工作機械の冷却システムに適用されます。ポンプの重要な部分の材料はステンレス鋼でできており、フッ素素材(FKM)のメカニカルシールを採用しているため、耐熱性と耐久性に優れています。

» Use Liquid ・使用した液体

- The liquid used should be clean, free of solid particles, abrasive sludge, and fibrous components, there is no risk of explosion, low viscosity, and should not damage the material of the pump.
  If the specific gravity or viscosity of the liquid to be used is higher than that of the water-soluble cutting oil, the motor power must be appropriately increased if necessary.

- 使用する液体は清潔で、固形粒子、研磨スラッジ、繊維成分がなく、爆発の危険がなく、粘度が低く、ポンプの材料に損傷を与えないようにする必要があります。
  使用する液体の比重や粘度が水溶性切削油よりも高い場合は、必要に応じてモーター出力を適切に上げる必要があります。

» Pump・ポンプ

- This pump uses an empty chamber when the depth of tank or container is deep.Immersion depth can be adjusted.

  Caution) The larger the number of empty chambers, the lower the pressure may be. When installing the pump, a diaphragm should be installed between the discharge side and the suction side of the tank to prevent the suction drop due to the mixing of foreign substances, so that the discharged fluid is not immediately sucked.

- このポンプは、タンクまたはコンテナの深さが深い場合、空のチャンバーを使用します。浸水深さを調整できます。

  注意) 空のチャンバーの数が多いほど、圧力が低くなる可能性があります。ポンプを設置する際は、タンクの吐出側と吸込側の間にダイヤフラムを設置し、異物の混入による吸込低下を防ぎ、吐出液がすぐに吸い込まれないようにしてください。

» Motor・モーター

- This pump uses a fan-cooled standard motor. The main dimensions of this motor are manufactured according to general standards.

  - **Protection class** : IP54
  - **Insulation class** : F
  - **Standard voltage 50Hz** : 3Ø 200/380, 415V
  - **Standard voltage 60Hz** : 3Ø 220/380, 440V

- Motors produced by our company are premium efficiency (750W or more) motors based on the implementation of the lowest consumption efficiency system. Other non-standard voltages and high-efficiency motors can also be manufactured by order (electrical specifications and appearance are subject to change).

- 3phase Motor must be connected to a starting control panel that meets the standard.

- このポンプは、ファン冷却式の標準モーターを使用しています。このモーターの主な寸法は一般的な規格に従って製造されています。

  - **保護クラス** : IP54
  - **絶縁クラス** : F
  - **標準電圧50Hz** : 3Ø200/380、415V
  - **標準電圧60Hz** : 3Ø220/380、440V

- 当社が製造するモーターは、最低消費効率方式を採用したプレミアム効率(750W以上)のモーターです。
  その他の非標準電圧および高効率モーターも注文により製造できます.(電気的仕様および外観は変更される場合があります)。

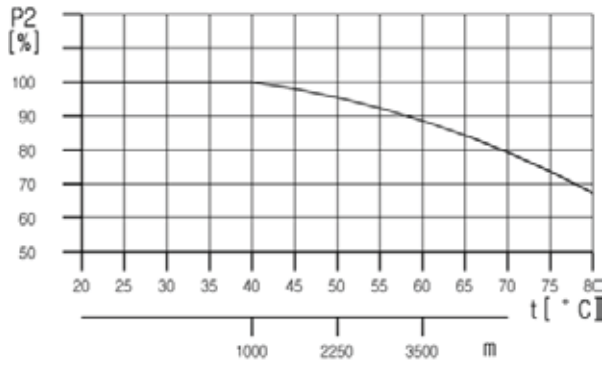
- 3相モーターは、規格を満たす始動コントロールパネルに接続する必要があります。

STAINLESS TYPE ステンレスタイプ

STAINLESS STEEL TYPE

» Ambient temperature・周囲温度

- When installing the motor in a place where the ambient temperature is 40°C or higher or the altitude is 1000m or higher, the motor output should be lower than the rated output in consideration of the low cooling performance due to the low density of air.
- 周囲温度が 40°C以上、海抜が1000m以上の場所にモーターを設置する場合は、空気密度が低いため冷却性能が低いため、モーター出力を定格出力より低くする必要があります。



- As shown in the table above, in the case of P2, when the pump is installed in an ambient environment with an altitude of 3500m and a temperature of 60°C, the performance of the pump is reduced to 80%.
- 上記の表に示すように、P2の場合、ポンプを海抜3500m、温度60°Cの周囲環境に設置すると、ポンプの性能は80%に低下します。

» Noise・ノイズ

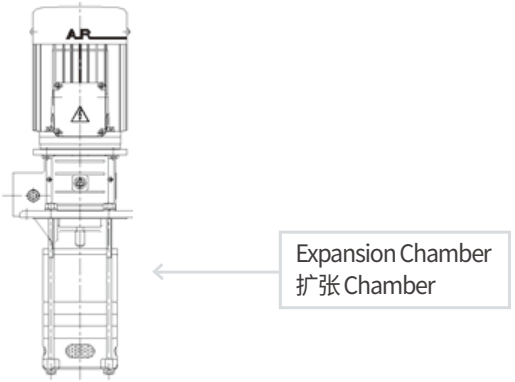
MOTOR [Kw]	Sound pressure level [dB(A)]	
	50 Hz	60 Hz
0.37	<70	<70
0.55	<70	<70
0.75	<70	<70
1.1	<70	71
1.5	<70	71
2.2	<70	71
2.9	73	71
4.0	73	78
7.5	73	78

» Mechanical seal・メカニカルシール

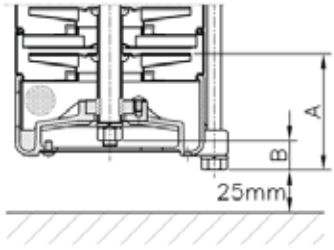
Seal division	Max. pressure	Max. Temperature(°C)
TC/Sic Viton(FKM)	2.5 MPa	0 ~ 120

- The actual operating range is determined by the operating pressure, pump type, mechanical seal type, and temperature of the liquid used.
- 実際の動作範囲は、動作圧力、ポンプの種類、メカニカルシールの種類、および使用する液体の温度によって決まります。

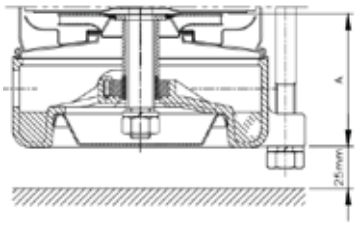
» Notes on installation・インストールに関する注意事項



- ACRK pumps can extend the immersion depth by using empty chambers. However, when empty CHAMBER is applied, performance is degraded.
- ACRKポンプは、空のチャンバーを使用することで浸漬深度を拡張できます。ただし、空のCHAMBERを適用すると、パフォーマンスが低下します。



ACRK



ACRK 10,15

PUMP TYPE	A mm
ACRK 1, 2, 3	54
ACRK 4, 5	60
ACRK 10	79
ACRK 15	90

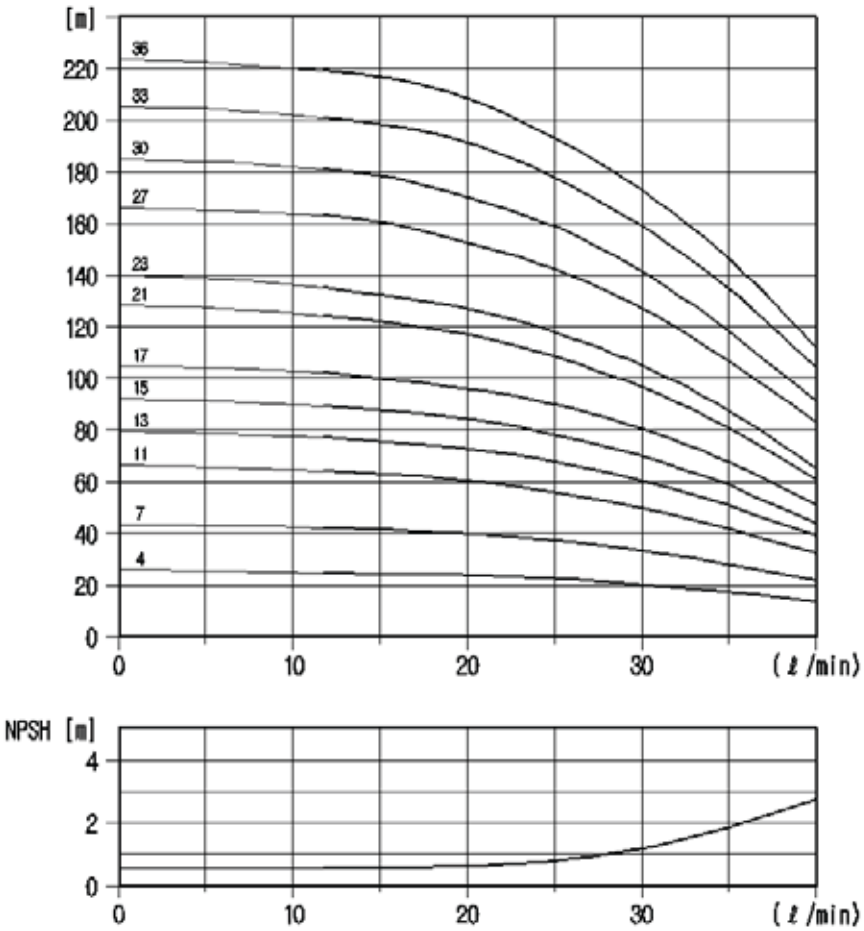
- The minimum operating water level must be installed at least A mm from the bottom of the pump.
- When the liquid is filled between A mm, it can be pumped to prevent damage to the seal caused by idling.
- There must be a minimum clearance of 25 mm between the pump and the tank bottom.
- 最小作動水位は、ポンプの底から少なくともAmmの位置に設置する必要があります。
- 液体がAmmの間に満たされると、アイドリングによるシールの損傷を防ぐためにポンプで汲み上げることができます。
- ポンプとタンク底部の間には25mm以上のクリアランスが必要です。

STAINLESS TYPE ステンレスタイプ

ACRK 1-50Hz

≫ Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 200V / 220V / 380V / 415V, 50Hz

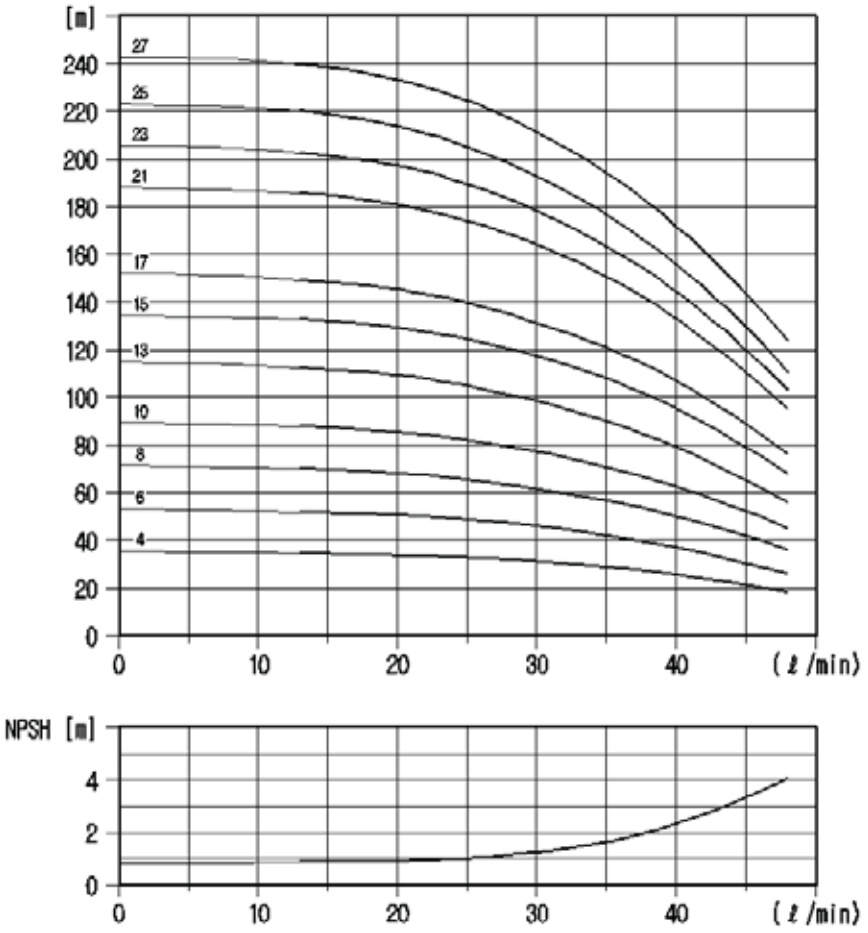
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]	Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 1-××/4	4	0.37	2.6/2.4/1.4/1.2	68.0	ACRK 1-××/21	21	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 1-××/7	7	0.37	2.6/2.4/1.4/1.2	68.0	ACRK 1-××/23	23	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 1-××/11	11	0.55	3.1/2.8/1.6/1.4	73.0	ACRK 1-××/27	27	1.5	7.2/7.2/4.2/4.0	84.2
ACRK 1-××/13	13	0.75	4.0/3.6/2.1/1.9	80.7	ACRK 1-××/30	30	1.5	7.2/7.2/4.2/4.0	84.2
ACRK 1-××/15	15	0.75	4.0/3.6/2.1/1.9	80.7	ACRK 1-××/33	33	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 1-××/17	17	1.1	5.3/4.8/2.8/2.6	82.7	ACRK 1-360/36	36	2.2	9.8/9.8/5.7/5.4	85.9

STAINLESS TYPE ステンレスタイプ

ACRK 1 – 60Hz

» Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt , 20°C



Electrical data 3Ø, 200V / 220V / 380V / 440V, 60Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 1-××/4	4	0.37	2.4 / 2.2 / 1.3 / 1.1	68
ACRK 1-××/6	6	0.55	3.0 / 2.7 / 1.6 / 1.4	73
ACRK 1-××/8	8	0.75	4.0 / 3.6 / 2.1 / 1.9	77
ACRK 1-××/10	10	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 1-××/13	13	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 1-××/15	15	1.5	6.6 / 6.0 / 3.5 / 3.2	85.5

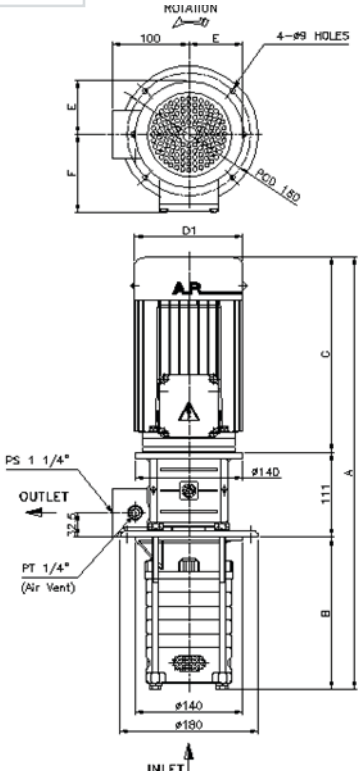
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 1-××/17	17	1.5	6.6 / 6.0 / 3.5 / 3.2	85.5
ACRK 1-××/21	21	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 1-××/23	23	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 1-××/25	25	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 1-270/27	27	2.9	12.5 / 11 / 6.4 / 6.1	86.5

STAINLESS TYPE ステンレスタイプ

ACRK 1 SERIES

» Appearance · 外観

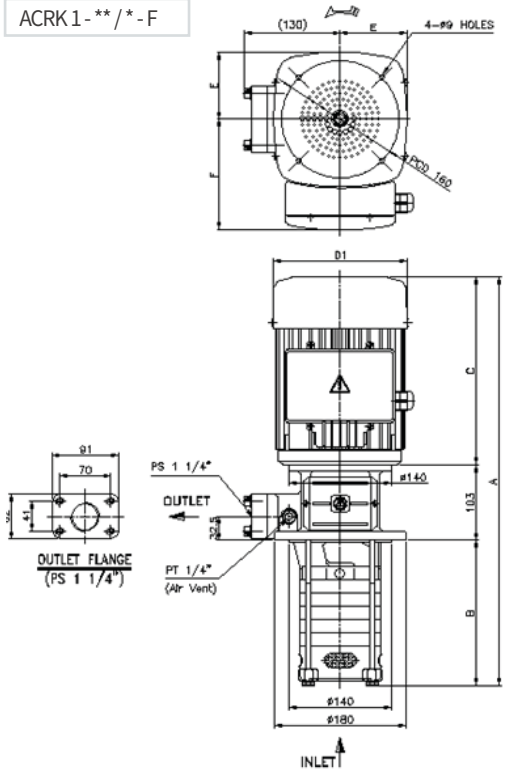
ACRK 1 - ** / * - B



50Hz

MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 1-40/4	0.37	502	494	196	195	141	70.5	102	13
ACRK 1-70/7	0.37	556	548	250	195	141	70.5	102	14
ACRK 1-110/11	0.55	628	620	322	195	141	70.5	102	15
ACRK 1-130/13	0.75	704	696	358	235	141	70.5	102	17
ACRK 1-150/15	0.75	740	732	394	235	141	70.5	102	17
ACRK 1-170/17	1.1	796	788	430	255	141	70.5	102	20
ACRK 1-210/21	1.1	868	860	502	255	141	70.5	102	22
ACRK 1-230/23	1.1	904	896	538	255	141	70.5	102	22
ACRK 1-270/27	1.5	976	968	610	255	183	91.5	150	37
ACRK 1-300/30	1.5	1030	1022	664	255	183	91.5	150	38
ACRK 1-330/33	2.2	1101	1093	718	272	183	91.5	150	40
ACRK 1-360/36	2.2	1155	1147	772	272	183	91.5	150	41

ACRK 1 - ** / * - F



60Hz

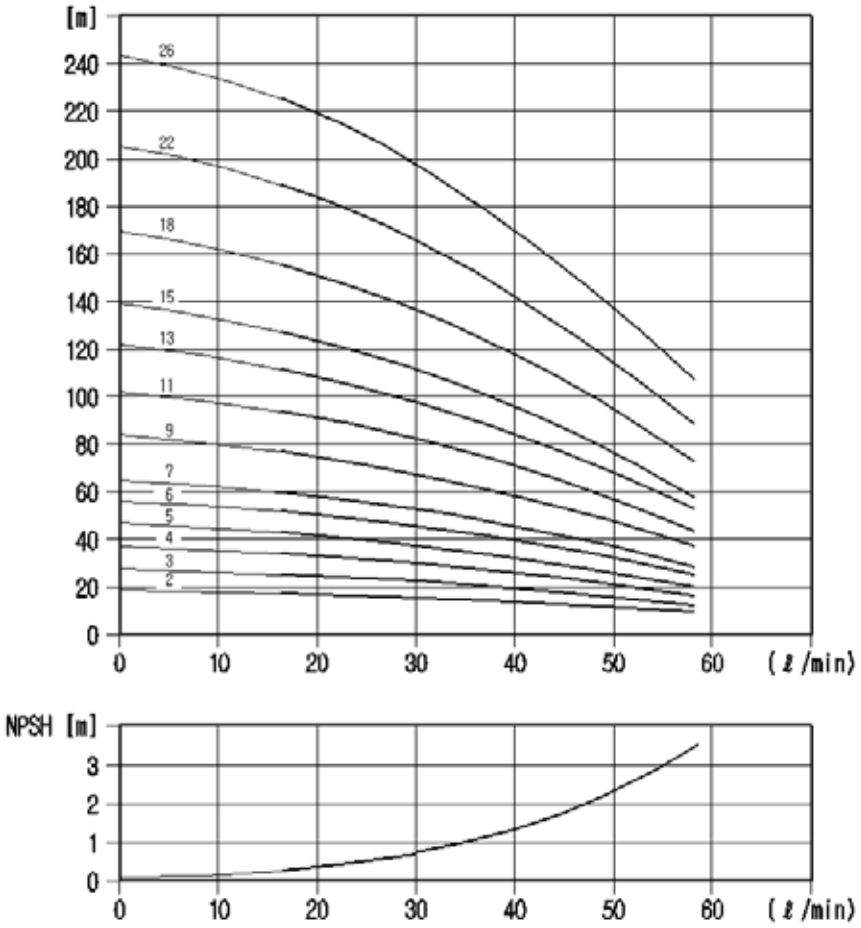
MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 1-40/4	0.37	502	494	196	195	141	70.5	102	13
ACRK 1-60/6	0.55	538	530	232	195	141	70.5	102	14
ACRK 1-80/8	0.75	614	606	268	235	141	70.5	102	15
ACRK 1-100/10	1.1	670	662	304	255	141	70.5	102	18
ACRK 1-130/13	1.1	724	716	358	255	141	70.5	102	19
ACRK 1-150/15	1.5	760	752	394	255	183	91.5	150	33
ACRK 1-170/17	1.5	796	788	430	255	183	91.5	150	34
ACRK 1-210/21	2.2	885	877	502	272	183	91.5	150	36
ACRK 1-230/23	2.2	921	913	538	272	183	91.5	150	37
ACRK 1-250/25	2.2	957	949	574	272	183	91.5	150	38
ACRK 1-270/27	2.9	1008	1000	610	287	183	91.5	150	39

STAINLESS TYPE ステンレスタイプ

ACRK 2 – 50Hz

≫ Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt , 20°C



Electrical data 3Ø, 200V / 220V / 380V / 415V, 50Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 2-××/2	2	0.37	2.6/2.4/1.4/1.2	68
ACRK 2-××/3	3	0.37	2.6/2.4/1.4/1.2	68
ACRK 2-××/4	4	0.55	3.1/2.8/1.6/1.4	73
ACRK 2-××/5	5	0.55	3.1/2.8/1.6/1.4	73
ACRK 2-××/6	6	0.75	4.0/3.6/2.1/1.9	80.7
ACRK 2-××/7	7	0.75	4.0/3.6/2.1/1.9	80.7
ACRK 2-××/9	9	1.1	5.3/4.8/2.8/2.6	82.7

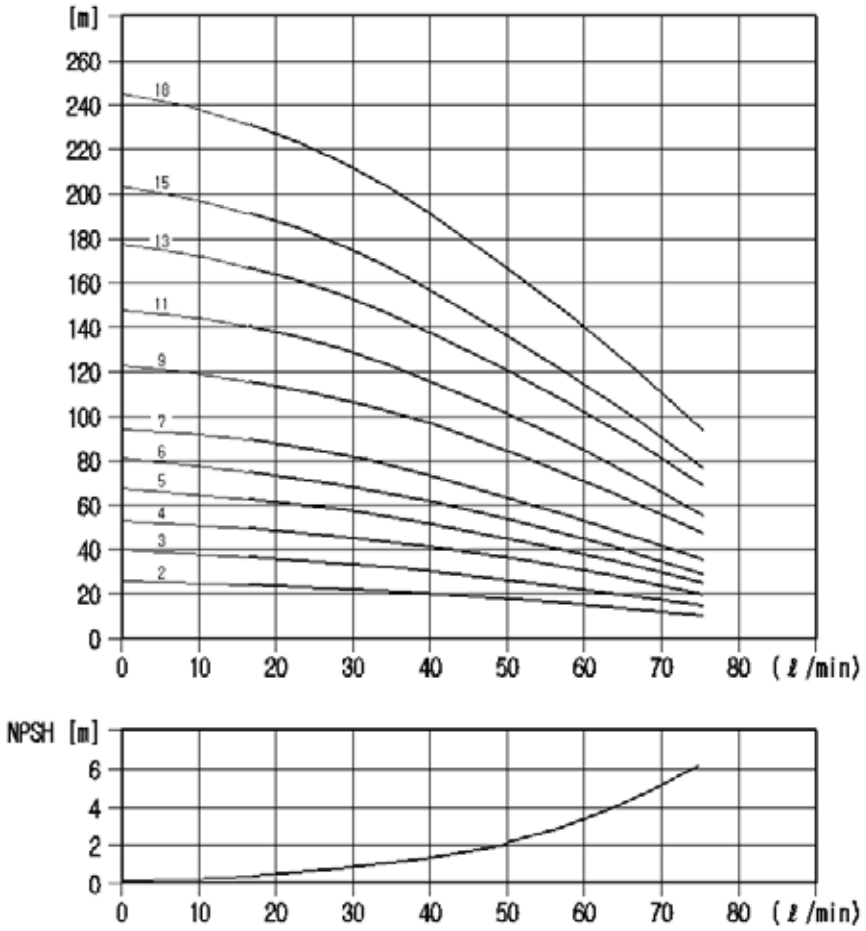
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 2-××/11	11	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 2-××/13	13	1.5	7.2/7.2/4.2/4.0	84.2
ACRK 2-××/15	15	1.5	7.2/7.2/4.2/4.0	84.2
ACRK 2-××/18	18	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 2-××/22	22	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 2-260/26	26	2.9	12.5/12.5/7.2/6.8	85.9

STAINLESS TYPE ステンレスタイプ

ACRK 2 – 60Hz

≫ Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 220V / 380V / 440V, 60Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 2-××/2	2	0.37	2.4 / 2.2 / 1.3 / 1.1	68
ACRK 2-××/3	3	0.55	3.0 / 2.7 / 1.6 / 1.4	73
ACRK 2-××/4	4	0.75	4.0 / 3.6 / 2.1 / 1.9	77
ACRK 2-××/5	5	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 2-××/6	6	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 2-××/7	7	1.5	6.6 / 6 / 3.5 / 3.2	85.5

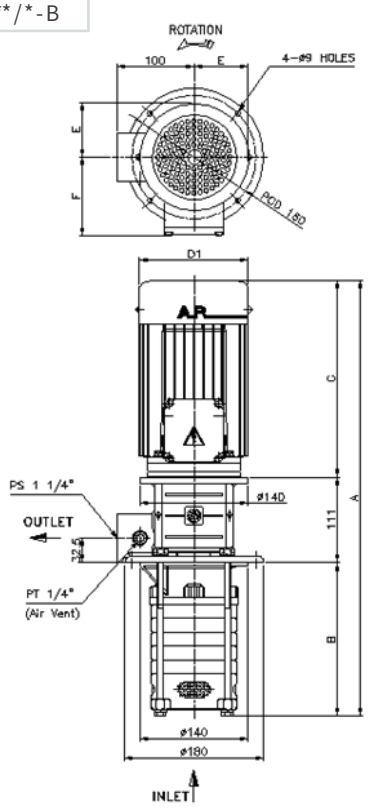
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 2-××/9	9	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 2-××/11	11	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 2-××/13	13	2.9	12.5 / 11 / 6.4 / 6.1	86.5
ACRK 2-××/15	15	2.9	12.5 / 11 / 6.4 / 6.1	86.5
ACRK 2-260/18	18	4.0	17.0/15.4/8.9/8.5	88.5

STAINLESS TYPE ステンレスタイプ

ACRK2 SERIES

» Appearance・外観

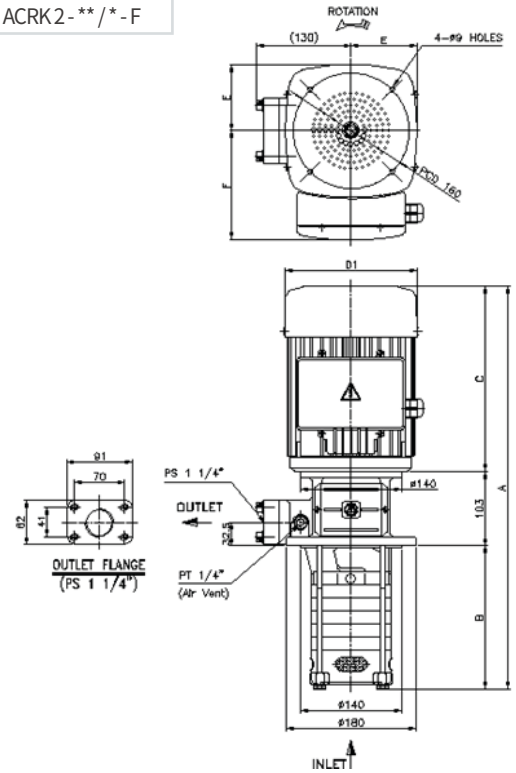
ACRK2-**/*-B



50Hz

MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 2-20/2	0.37	466	458	160	195	141	70.5	102	12
ACRK 2-30/3	0.37	484	476	178	195	141	70.5	102	13
ACRK 2-40/4	0.55	502	494	196	195	141	70.5	102	13
ACRK 2-50/5	0.55	520	512	214	195	141	70.5	102	14
ACRK 2-60/6	0.75	578	570	232	235	141	70.5	102	15
ACRK 2-70/7	0.75	596	588	250	235	141	70.5	102	15
ACRK 2-90/9	1.1	652	644	286	255	141	70.5	102	17
ACRK 2-110/11	1.1	688	680	322	255	141	70.5	102	18
ACRK 2-130/13	1.5	724	716	358	255	183	91.5	150	27
ACRK 2-150/15	1.5	760	752	394	255	183	91.5	150	27
ACRK 2-180/18	2.2	831	823	448	272	183	91.5	150	30
ACRK 2-220/22	2.2	903	895	520	272	183	91.5	150	32
ACRK 2-260/26	2.9	990	982	592	287	183	91.5	150	38

ACRK2-**/*-F



60Hz

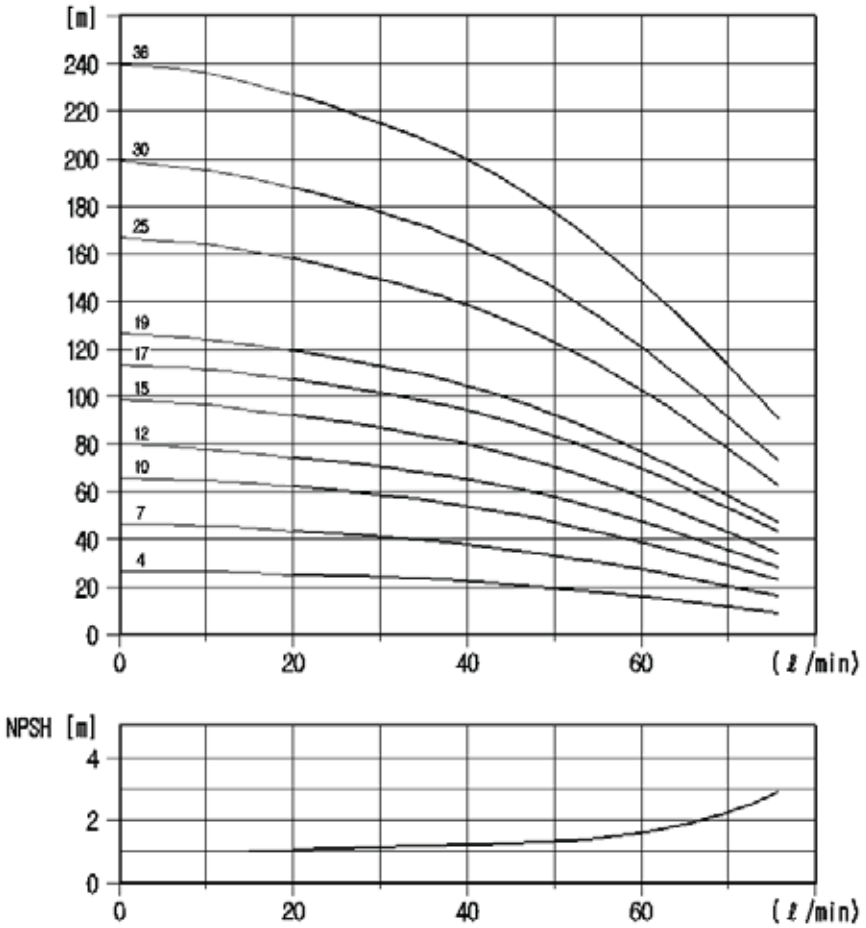
MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 2-20/2	0.37	466	458	160	195	141	70.5	102	12
ACRK 2-30/3	0.55	484	476	178	195	141	70.5	102	13
ACRK 2-40/4	0.75	542	534	196	235	141	70.5	102	14
ACRK 2-50/5	1.1	580	572	214	255	141	70.5	102	16
ACRK 2-60/6	1.1	598	590	232	255	141	70.5	102	17
ACRK 2-70/7	1.5	616	608	250	255	183	91.5	150	25
ACRK 2-90/9	2.2	669	661	286	272	183	91.5	150	29
ACRK 2-110/11	2.2	705	697	322	272	183	91.5	150	30
ACRK 2-130/13	2.9	756	748	358	287	183	91.5	150	35
ACRK 2-150/15	2.9	792	784	394	287	183	91.5	150	35
ACRK 2-180/18	4	861	853	448	302	183	91.5	150	37
ACRK 2-220/18	4	933	925	520	302	183	91.5	150	38
ACRK 2-260/18	4	1005	997	592	302	183	91.5	150	38

STAINLESS TYPE ステンレスタイプ

ACRK 3 – 50Hz

» Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 200V / 220V / 380V / 415V, 50Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 3-××/4	4	0.37	2.6/2.4/1.4/1.2	68
ACRK 3-××/7	7	0.55	3.1/2.8/1.6/1.4	73
ACRK 3-××/10	10	0.75	4.0/3.6/2.1/1.9	80.7
ACRK 3-××/12	12	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 3-××/15	15	1.1	5.3/4.8/2.8/2.6	82.7

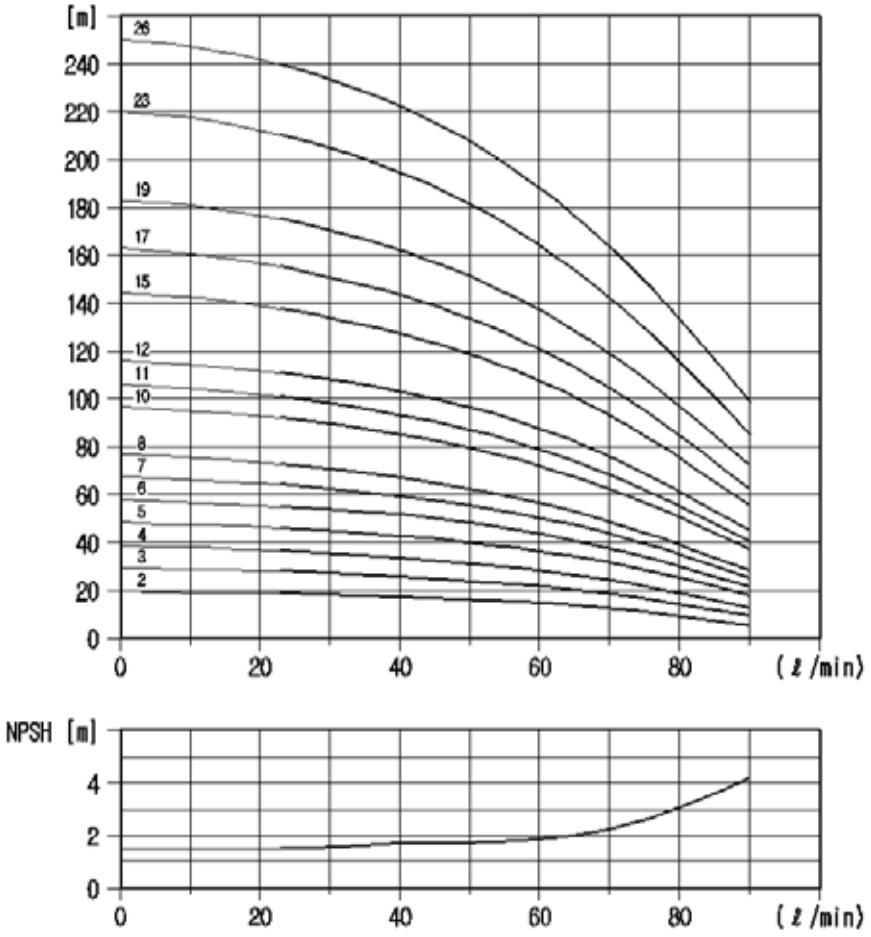
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 3-××/17	17	1.5	7.2/7.2/4.2/4.0	84.2
ACRK 3-××/19	19	1.5	7.2/7.2/4.2/4.0	84.2
ACRK 3-××/25	25	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 3-××/30	30	2.9	12.5/12.5/7.2/6.8	85.9
ACRK 3-360/36	36	2.9	12.5/12.5/7.2/6.8	85.9

STAINLESS TYPE ステンレスタイプ

ACRK 3 – 60Hz

≫ Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt , 20°C



Electrical data 3Ø, 200V / 220V / 380V / 440V, 60Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 3-××/2	2	0.37	2.4 / 2.2 / 1.3 / 1.1	68
ACRK 3-××/3	3	0.55	3.0 / 2.7 / 1.6 / 1.4	73
ACRK 3-××/4	4	0.55	3.0 / 2.7 / 1.6 / 1.4	73
ACRK 3-××/5	5	0.75	4.0 / 3.6 / 2.1 / 1.9	77
ACRK 3-××/6	6	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 3-××/7	7	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 3-××/8	8	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 3-××/10	10	1.5	6.6 / 6 / 3.5 / 3.2	85.5

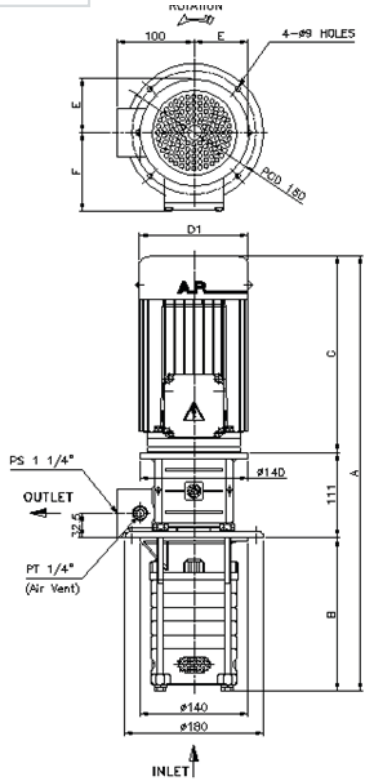
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 3-××/11	11	1.5	6.6 / 6 / 3.5 / 3.2	85.5
ACRK 3-××/12	12	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 3-××/15	15	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 3-××/17	17	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 3-××/19	19	2.9	12.5 / 11 / 6.4 / 6.1	86.5
ACRK 3-××/23	23	2.9	12.5 / 1 / 6.4 / 6.1	86.5
ACRK 3-260/26	26	4	17.0/15.4/8.9/8.5	88.5

STAINLESS TYPE ステンレスタイプ

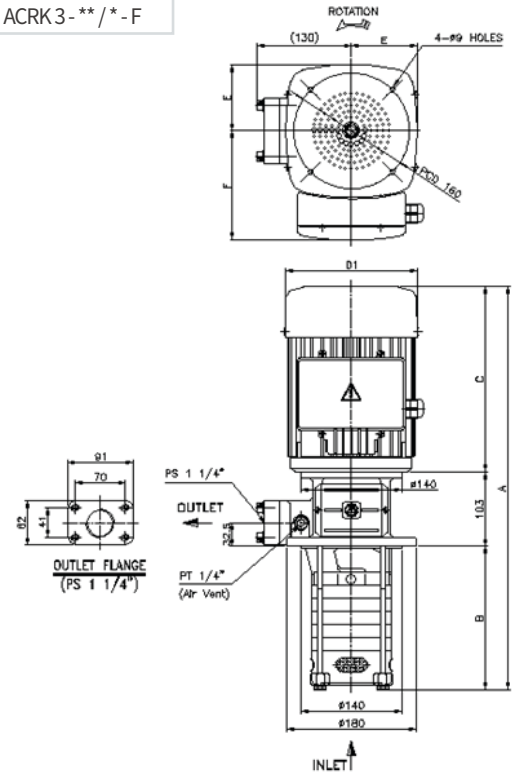
ACRK 3 SERIES

» Appearance・外観

ACRK 3 - ** / * - B



ACRK 3 - ** / * - F



50Hz

MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 3-40/4	0.37	502	494	196	195	141	70.5	102	13
ACRK 3-70/7	0.55	556	548	250	195	141	70.5	102	14
ACRK 3-100/10	0.75	650	642	304	235	141	70.5	102	16
ACRK 3-120/12	1.1	706	698	340	255	141	70.5	102	19
ACRK 3-150/15	1.1	760	752	394	255	141	70.5	102	20
ACRK 3-170/17	1.5	796	788	430	255	183	91.5	150	34
ACRK 3-190/19	1.5	832	824	466	255	183	91.5	150	35
ACRK 3-250/25	2.2	957	949	574	272	183	91.5	150	38
ACRK 3-300/30	2.9	1062	1054	664	287	183	91.5	150	40
ACRK 3-360/36	2.9	1170	1162	772	287	183	91.5	150	42

60Hz

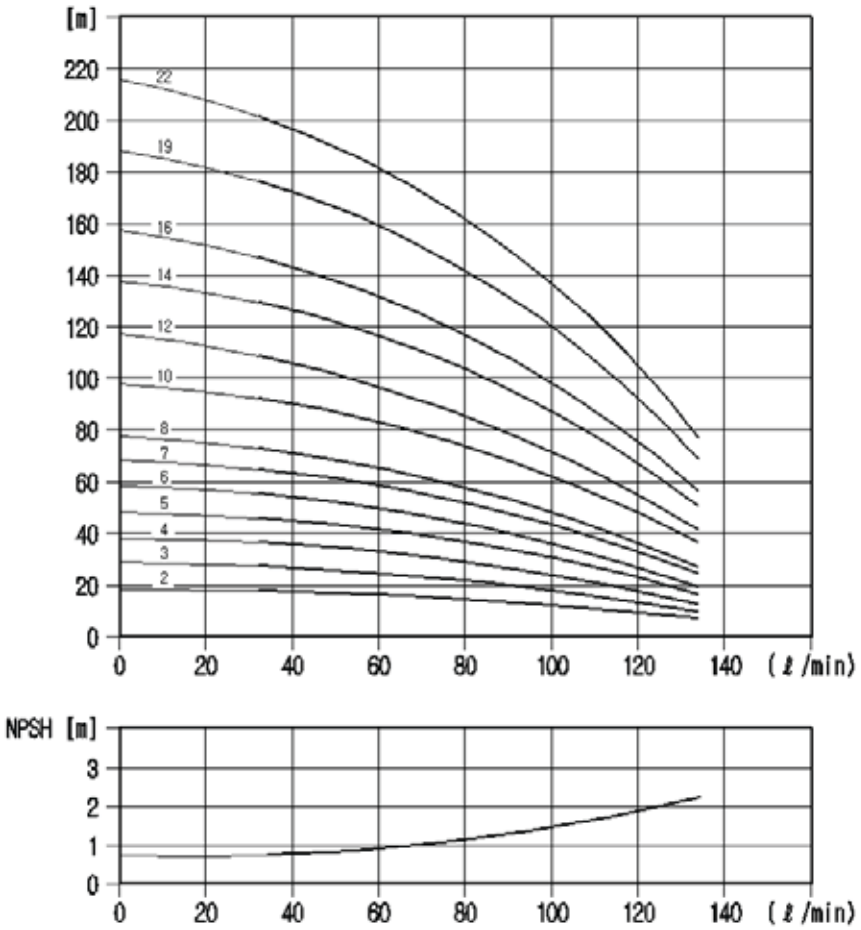
MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 3-20/2	0.37	466	458	160	195	141	70.5	102	13
ACRK 3-30/3	0.55	484	476	178	195	141	70.5	102	13
ACRK 3-40/4	0.55	502	494	196	195	141	70.5	102	13
ACRK 3-50/5	0.75	560	552	214	235	141	70.5	102	14
ACRK 3-60/6	1.1	598	590	232	255	141	70.5	102	16
ACRK 3-70/7	1.1	616	608	250	255	141	70.5	102	17
ACRK 3-80/8	1.1	634	626	268	255	141	70.5	102	18
ACRK 3-100/10	1.5	670	662	304	255	183	91.5	150	32
ACRK 3-110/11	1.5	688	680	322	255	183	91.5	150	32
ACRK 3-120/12	2.2	723	715	340	272	183	91.5	150	34
ACRK 3-150/15	2.2	777	769	394	272	183	91.5	150	35
ACRK 3-170/17	2.2	813	805	430	272	183	91.5	150	35
ACRK 3-190/19	2.9	864	856	466	287	183	91.5	150	37
ACRK 3-230/23	2.9	936	928	538	287	183	91.5	150	38
ACRK 3-260/26	4	1005	997	592	302	183	91.5	150	52

STAINLESS TYPE ステンレスタイプ

ACRK 4 – 50Hz

≫ Performance curve (water-soluble coolant)・性能曲線(水溶性切削油)

※ISO VG 2 cSt , 20°C



Electrical data 3Ø, 200V / 220V / 380V / 415V, 50Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 4-××/2	2	0.37	2.6/2.4/1.4/1.2	68
ACRK 4-××/3	3	0.55	3.1/2.8/1.6/1.4	73
ACRK 4-××/4	4	0.75	4.0/3.6/2.1/1.9	80.7
ACRK 4-××/5	5	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 4-××/6	6	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 4-××/7	7	1.5	7.2/7.2/4.2/4	84.2
ACRK 4-××/8	8	1.5	7.2/7.2/4.2/4	84.2

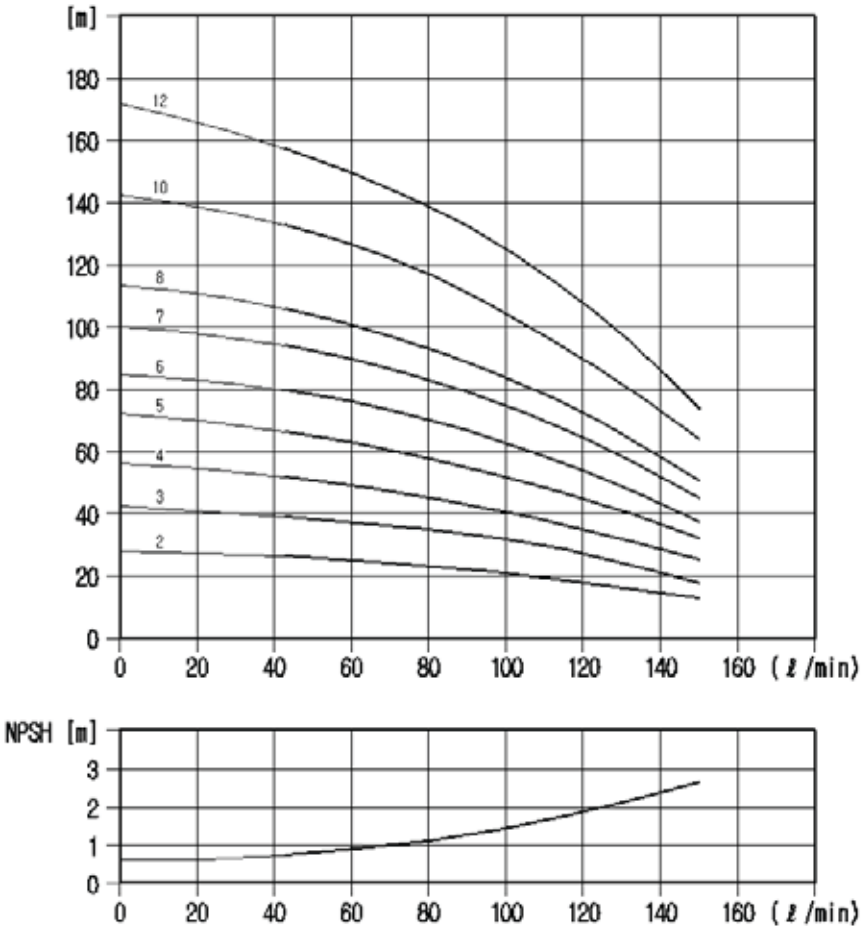
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 4-××/10	10	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 4-××/12	12	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 4-××/14	14	2.9	12.5/12.5/7.2/6.8	85.9
ACRK 4-××/16	16	2.9	12.5/12.5/7.2/6.8	85.9
ACRK 4-××/19	19	4	17.2/17.2/10/9.5	88.1
ACRK 4-220/22	22	4	17.2/17.2/10/9.5	88.1

STAINLESS TYPE ステンレスタイプ

ACRK 4 – 60Hz

» Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 200V / 220V / 380V / 440V, 60Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 4-××/2	2	0.75	4.0 / 3.6 / 2.1 / 1.9	77
ACRK 4-××/3	3	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 4-××/4	4	1.5	6.6 / 6 / 3.5 / 3.2	85.5
ACRK 4-××/5	5	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 4-××/6	6	2.2	9.6 / 8.7 / 5 / 4.5	86.5

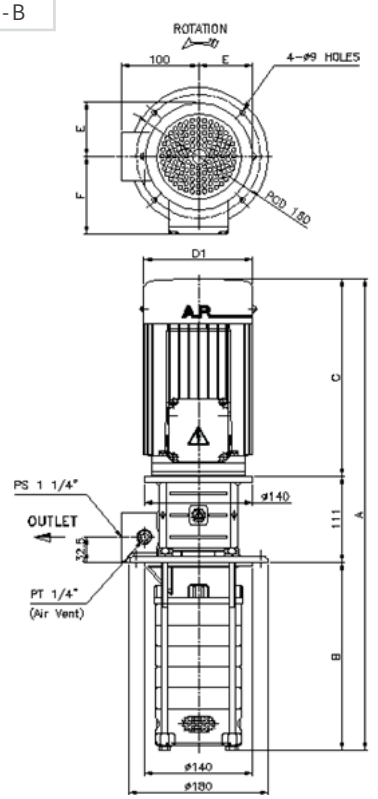
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 4-××/7	7	2.9	12.5 / 11 / 6.4 / 6.1	86.5
ACRK 4-××/8	8	2.9	12.5 / 11 / 6.4 / 6.1	86.5
ACRK 4-××/10	10	4	17.0/15.4/8.9/8.5	88.5
ACRK 4-220/12	12	4	17.0/15.4/8.9/8.5	88.5

STAINLESS TYPE ステンレスタイプ

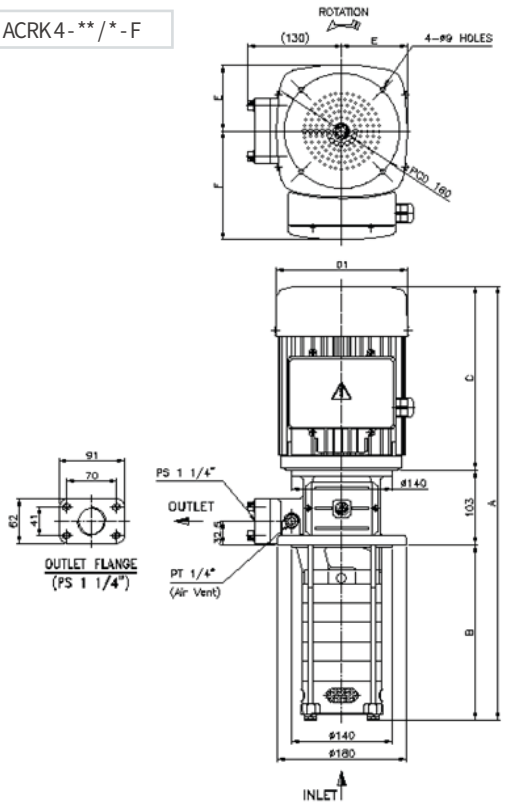
ACRK 4 SERIES

» Appearance・外観

ACRK4 - ** / * - B



ACRK4 - ** / * - F



50Hz

MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 4-20/2	0.37	475	467	169	195	141	70.5	102	13
ACRK 4-30/3	0.55	502	494	196	195	141	70.5	102	14
ACRK 4-40/4	0.75	569	561	223	235	141	70.5	102	15
ACRK 4-50/5	1.1	616	608	250	255	141	70.5	102	16
ACRK 4-60/6	1.1	643	635	277	255	141	70.5	102	17
ACRK 4-70/7	1.5	670	662	304	255	183	91.5	150	27
ACRK 4-80/8	1.5	697	689	331	255	183	91.5	150	27
ACRK 4-100/10	2.2	768	760	385	272	183	91.5	150	30
ACRK 4-120/12	2.2	822	814	439	272	183	91.5	150	31
ACRK 4-140/14	2.9	891	883	493	287	183	91.5	150	36
ACRK 4-160/16	2.9	945	937	547	287	183	91.5	150	37
ACRK 4-190/19	4	1041	1033	628	302	183	91.5	150	40
ACRK 4-220/22	4	1122	1114	709	302	183	91.5	150	41

60Hz

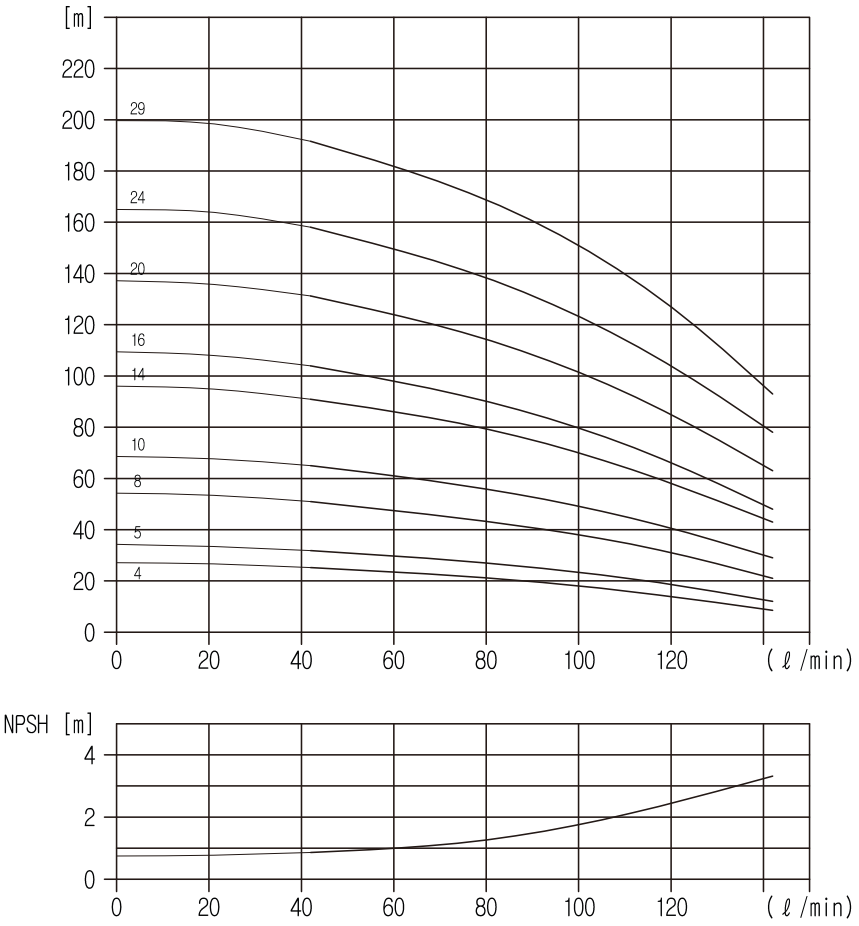
MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 4-20/2	0.75	515	507	169	235	141	70.5	102	14
ACRK 4-30/3	1.1	562	554	196	255	141	70.5	102	15
ACRK 4-40/4	1.5	589	581	223	255	183	91.5	150	26
ACRK 4-50/5	2.2	633	625	250	272	183	91.5	150	28
ACRK 4-60/6	2.2	660	652	277	272	183	91.5	150	29
ACRK 4-70/7	2.9	702	694	304	287	183	91.5	150	33
ACRK 4-80/8	2.9	729	721	331	287	183	91.5	150	34
ACRK 4-100/10	4	798	790	385	302	183	91.5	150	38
ACRK 4-120/12	4	852	844	439	302	183	91.5	150	39
ACRK 4-140/12	4	906	898	493	302	183	91.5	150	39
ACRK 4-160/12	4	960	952	547	302	183	91.5	150	39
ACRK 4-190/12	4	1041	1033	628	302	183	91.5	150	40
ACRK 4-220/12	4	1122	1114	709	302	183	91.5	150	40

STAINLESS TYPE ステンレスタイプ

ACRK 5 – 50Hz

» Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 200V / 220V / 380V / 415V, 50Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 5-××/4	4	0.55	3.1/2.8/1.6/1.4	73
ACRK 5-××/5	5	0.75	4.0/3.6/2.1/1.9	80.7
ACRK 5-××/8	8	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 5-××/10	10	1.5	7.2/7.2/4.2/4	84.2
ACRK 5-××/14	14	2.2	9.8/9.8/5.7/5.4	85.9

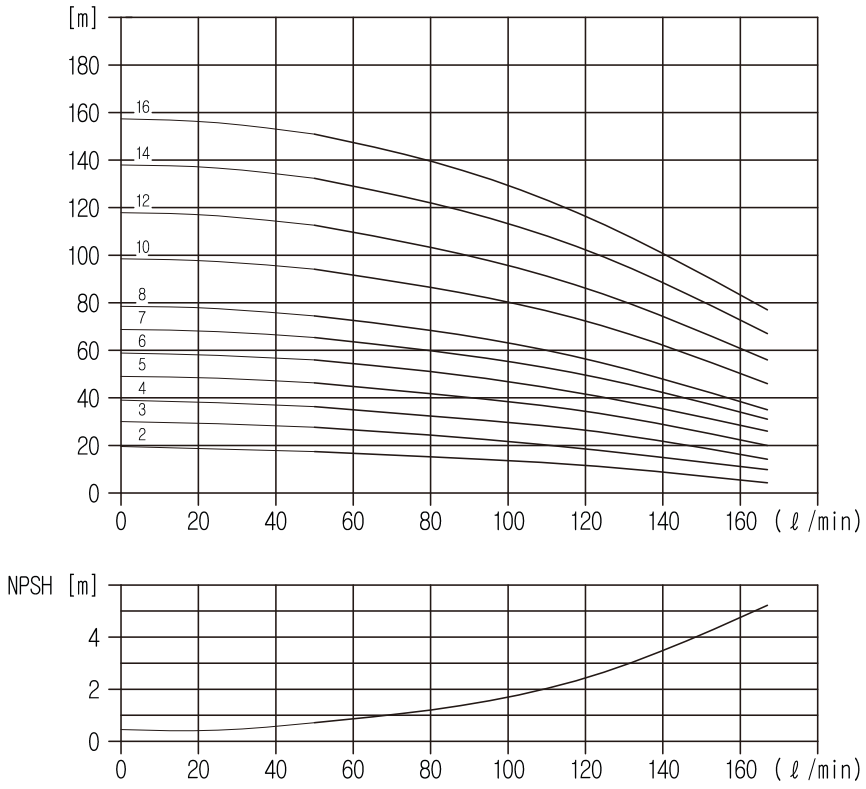
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 5-××/16	16	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 5-××/20	20	2.9	12.5/12.5/7.2/6.8	85.9
ACRK 5-××/24	24	4	17.2/17.2/10/9.5	88.1
ACRK 5-290/29	29	4	17.2/17.2/10/9.5	88.1

STAINLESS TYPE ステンレスタイプ

ACRK 5 – 60Hz

≫ Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 200V / 220V / 380V / 440V, 60Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 5-××/2	2	0.75	4.0 / 3.6 / 2.1 / 1.9	77
ACRK 5-××/3	3	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 5-××/4	4	1.1	5.3 / 4.8 / 2.8 / 2.6	84
ACRK 5-××/5	5	1.5	6.6 / 6 / 3.5 / 3.2	85.5
ACRK 5-××/6	6	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 5-××/7	7	2.2	9.6 / 8.7 / 5 / 4.5	86.5

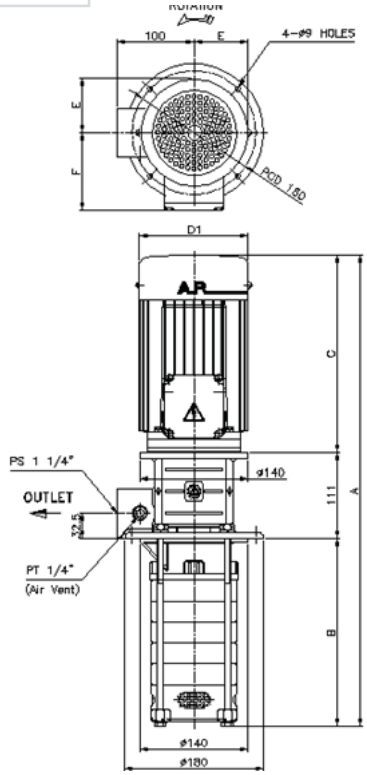
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 5-××/8	8	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 5-××/10	10	2.9	12.5 / 11 / 6.4 / 6.1	86.5
ACRK 5-××/12	12	2.9	12.5 / 11 / 6.4 / 6.1	86.5
ACRK 5-××/14	14	4	17.0/15.4/8.9/8.5	88.5
ACRK 5-220/16	16	4	17.0/15.4/8.9/8.5	88.5

STAINLESS TYPE ステンレスタイプ

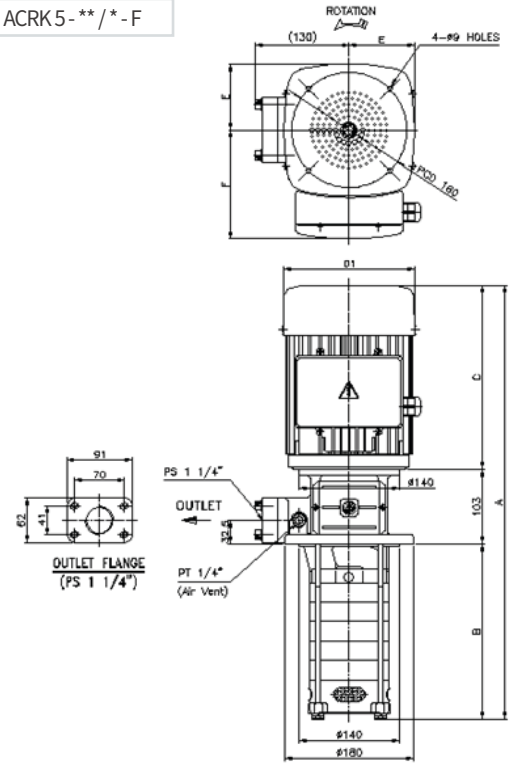
ACRK 5 SERIES

» Appearance・外観

ACRK 5 - ** / * - B



ACRK 5 - ** / * - F



50Hz

MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 5-40/4	0.55	529	521	223	195	141	70.5	102	14
ACRK 5-50/5	0.75	596	588	250	235	141	70.5	102	15
ACRK 5-80/8	1.1	697	689	331	255	141	70.5	102	18
ACRK 5-100/10	1.5	751	743	385	255	183	91.5	150	33
ACRK 5-140/14	2.2	876	868	493	272	183	91.5	150	35
ACRK 5-160/16	2.2	930	922	547	272	183	91.5	150	36
ACRK 5-200/20	2.9	1053	1045	655	287	183	91.5	150	39
ACRK 5-240/24	4	1176	1168	763	302	183	91.5	150	53
ACRK 5-290/29	4	1311	1303	898	302	183	91.5	150	55

60Hz

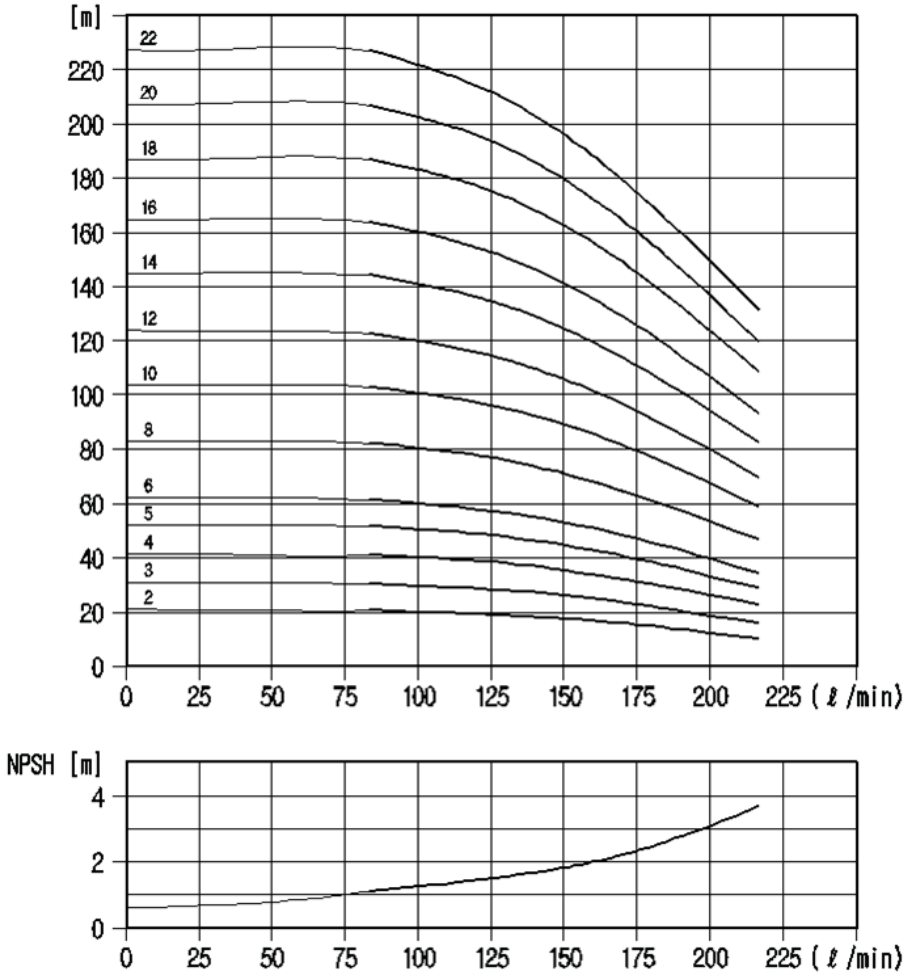
MODEL	Moter output [KW]	A		B	C	D1	E	F	Weight [Kg]
		"B"	"F"						
ACRK 5-20/2	0.55	475	467	169	195	141	70.5	102	13
ACRK 5-30/3	1.1	562	554	196	255	141	70.5	102	16
ACRK 5-40/4	1.1	589	581	223	255	141	70.5	102	17
ACRK 5-50/5	1.5	616	608	250	255	183	91.5	150	31
ACRK 5-60/6	2.2	660	652	277	272	183	91.5	150	31
ACRK 5-70/7	2.2	687	679	304	272	183	91.5	150	33
ACRK 5-80/8	2.2	714	706	331	272	183	91.5	150	33
ACRK 5-100/10	2.9	783	775	385	287	183	91.5	150	35
ACRK 5-120/12	2.9	837	829	439	287	183	91.5	150	36
ACRK 5-140/14	4	906	898	493	302	183	91.5	150	49
ACRK 5-160/16	4	960	952	547	302	183	91.5	150	50
ACRK 5-220/16	4	1122	1114	709	302	183	91.5	150	52

STAINLESS TYPE ステンレスタイプ

ACRK 10 – 50Hz

≫ Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt , 20°C



Electrical data 3Ø, 200V / 220V / 380V / 415V, 50Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 10-××/2	2	0.75	4/3.6/2.1/1.9	80.7
ACRK 10-××/3	3	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 10-××/4	4	1.5	7.2/7.2/4.2/4	84.2
ACRK 10-××/5	5	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 10-××/6	6	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 10-××/8	8	2.9	12.5/12.5/7.2/6.8	85.9
ACRK 10××/10	10	4	17.2/17.2/10/9.5	88.1

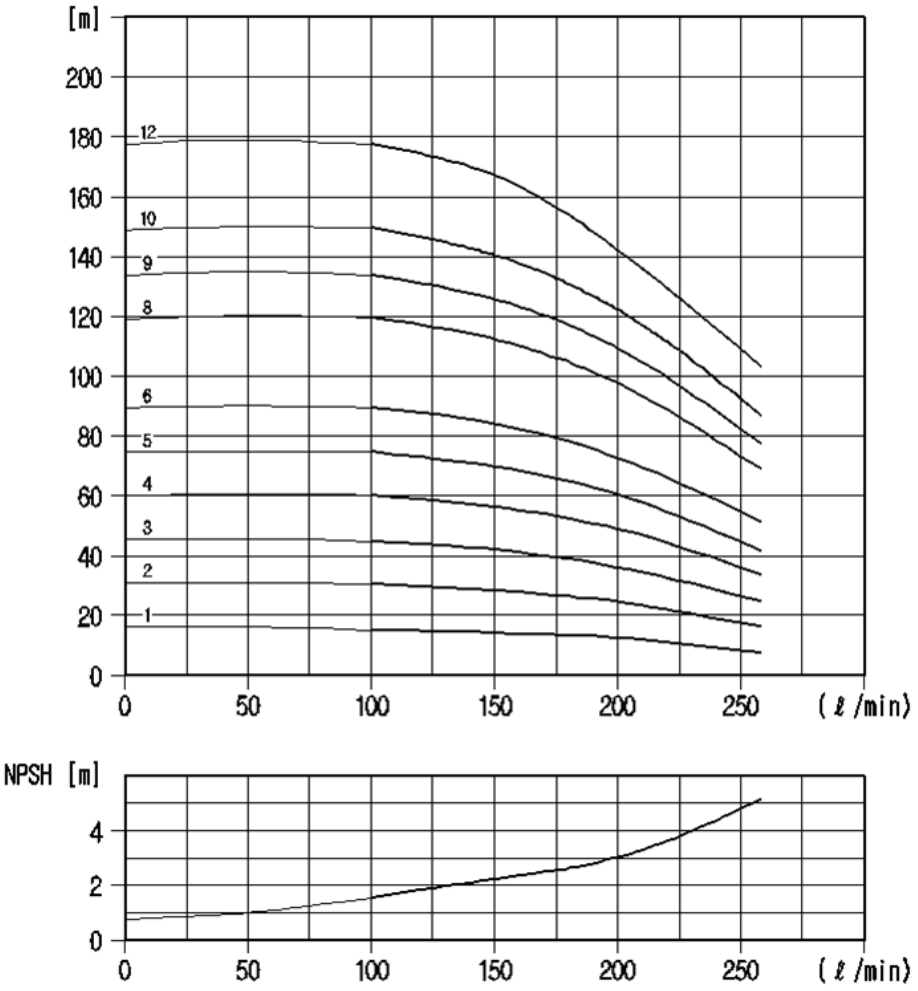
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 10-××/12	12	4	17.2/17.2/10/9.5	88.1
ACRK 10-××/14	14	5.5	26.5/24.1/14.0/13.0	89.2
ACRK 10-××/16	16	5.5	26.5/24.1/14.0/13.0	89.2
ACRK 10-××/18	18	7.5	29.5/27.6/17/15.7	90.1
ACRK 10-××/20	20	7.5	29.5/27.6/17/15.7	90.1
ACRK 10-220/22	22	7.5	29.5/27.6/17/15.7	90.1

STAINLESS TYPE ステンレスタイプ

ACRK 10 – 60Hz

» Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 200V / 220V / 380V / 440V, 60Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 10-××/1	1	0.75	4.0/3.6/2.1/1.9	77.0
ACRK 10-××/2	2	1.5	6.6 / 6 / 3.5 / 3.2	85.5
ACRK 10-××/3	3	2.2	9.6 / 8.7 / 5 / 4.5	86.5
ACRK 10-××/4	4	2.9	12.5/11/6.4 /6.1	86.5
ACRK 10-××/5	5	2.9	12.5/11/6.4 /6.1	86.5

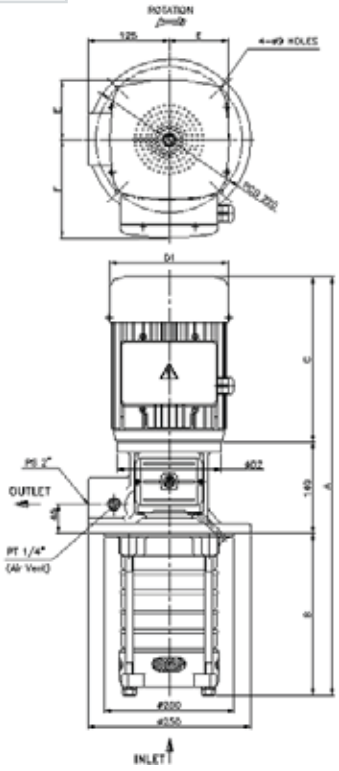
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 10-××/6	6	4	17.0/15.4/8.9/ 8.5	88.5
ACRK 10-××/8	8	5.5	25.0/23.1/13.4/11.6	89.5
ACRK 10-××/9	9	5.5	25.0/23.1/13.4/11.6	89.5
ACRK 10-××/10	10	7.5	30.0/27.1/15.7/13.6	90.2
ACRK 10-120/12	12	7.5	30.0/27.1/15.7/13.6	90.2

STAINLESS TYPE ステンレスタイプ

ACRK 10 SERIES

» Appearance・外観

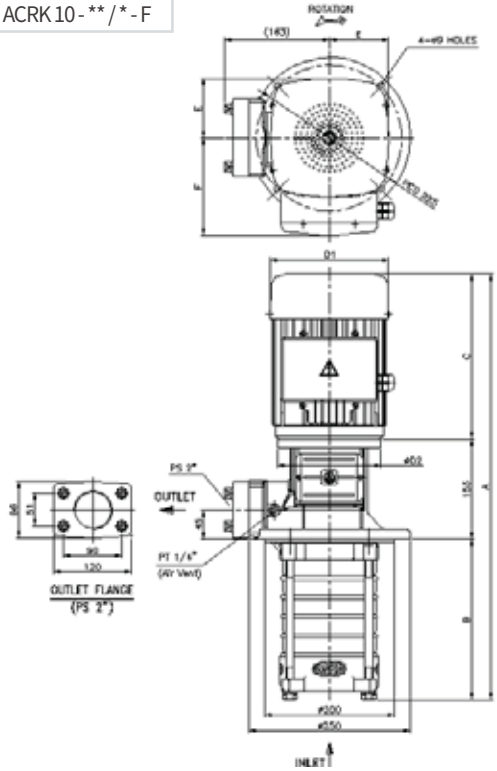
ACRK10 - ** / * - B



50Hz

MODEL	Moter output [KW]	A		B	C	D1	D2	E	F	Weight [Kg]
		"B"	"F"							
ACRK 10-20/2	0.75	534	549	159	235	141	160	70.5	102	23
ACRK 10-30/3	1.1	584	599	189	255	141	160	70.5	102	26
ACRK 10-40/4	1.5	614	629	219	255	183	160	91.5	150	40
ACRK 10-50/5	2.2	661	676	249	272	183	160	91.5	150	42
ACRK 10-60/6	2.2	691	706	279	272	183	160	91.5	150	43
ACRK 10-80/8	2.9	766	781	339	287	183	160	91.5	150	46
ACRK 10-100/10	4	841	856	399	302	183	160	91.5	150	61
ACRK 10-120/12	4	901	916	459	302	183	160	91.5	150	63
ACRK 10-140/14	5.5	1063	1078	519	404	256	300	150	193	75
ACRK 10-160/16	5.5	1123	1138	579	404	256	300	150	193	77
ACRK 10-180/18	7.5	1223	1238	639	444	256	300	150	193	90
ACRK 10-200/20	7.5	1283	1298	699	444	256	300	150	193	92
ACRK 10-220/22	7.5	1343	1358	759	444	256	300	150	193	94

ACRK 10 - ** / * - F



60Hz

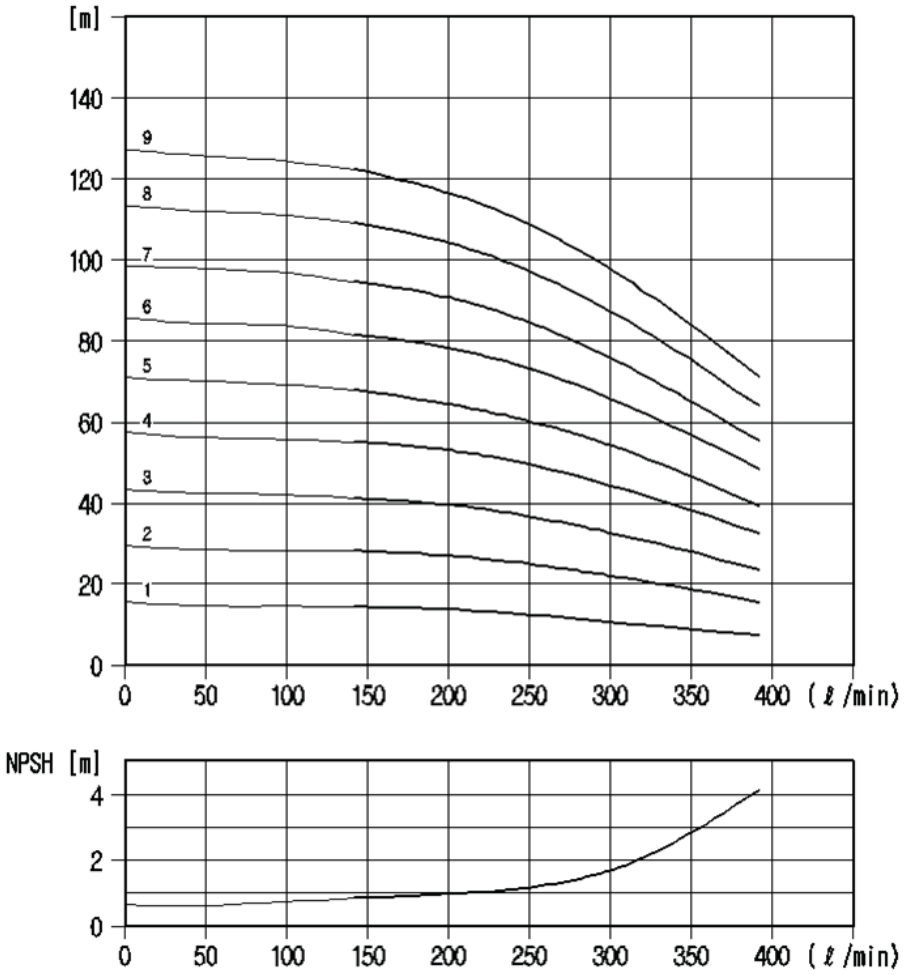
MODEL	Moter output [KW]	A		B	C	D1	D2	E	F	Weight [Kg]
		"B"	"F"							
ACRK 10-20/1	0.75	534	549	159	235	141	160	70.5	102	23
ACRK 10-20/2	1.5	554	569	159	255	183	160	91.5	150	39
ACRK 10-30/3	2.2	601	616	189	272	183	160	91.5	150	41
ACRK 10-40/4	2.9	646	661	219	287	183	160	91.5	150	42
ACRK 10-50/5	2.9	676	691	249	287	183	160	91.5	150	43
ACRK 10-60/6	4	721	736	279	302	183	160	91.5	150	57
ACRK 10-80/8	5.5	883	898	339	404	256	300	150	193	69
ACRK 10-90/9	5.5	913	928	369	404	256	300	150	193	70
ACRK 10-100/10	7.5	983	998	399	444	256	300	150	193	82
ACRK 10-120/12	7.5	1043	1058	459	444	256	300	150	193	84

STAINLESS TYPE ステンレスタイプ

ACRK 15 – 50Hz

» Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt, 20°C



Electrical data 3Ø, 200V / 220V / 380V / 415V, 50Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 15-××/1	1	1.1	5.3/4.8/2.8/2.6	82.7
ACRK 15-××/2	2	2.2	9.8/9.8/5.7/5.4	85.9
ACRK 15-××/3	3	2.9	12.5/12.5/7.2/6.8	85.9
ACRK 15-××/4	4	4	17.2/17.2/10/9.5	88.1
ACRK 15-××/5	5	4	17.2/17.2/10/9.5	88.1

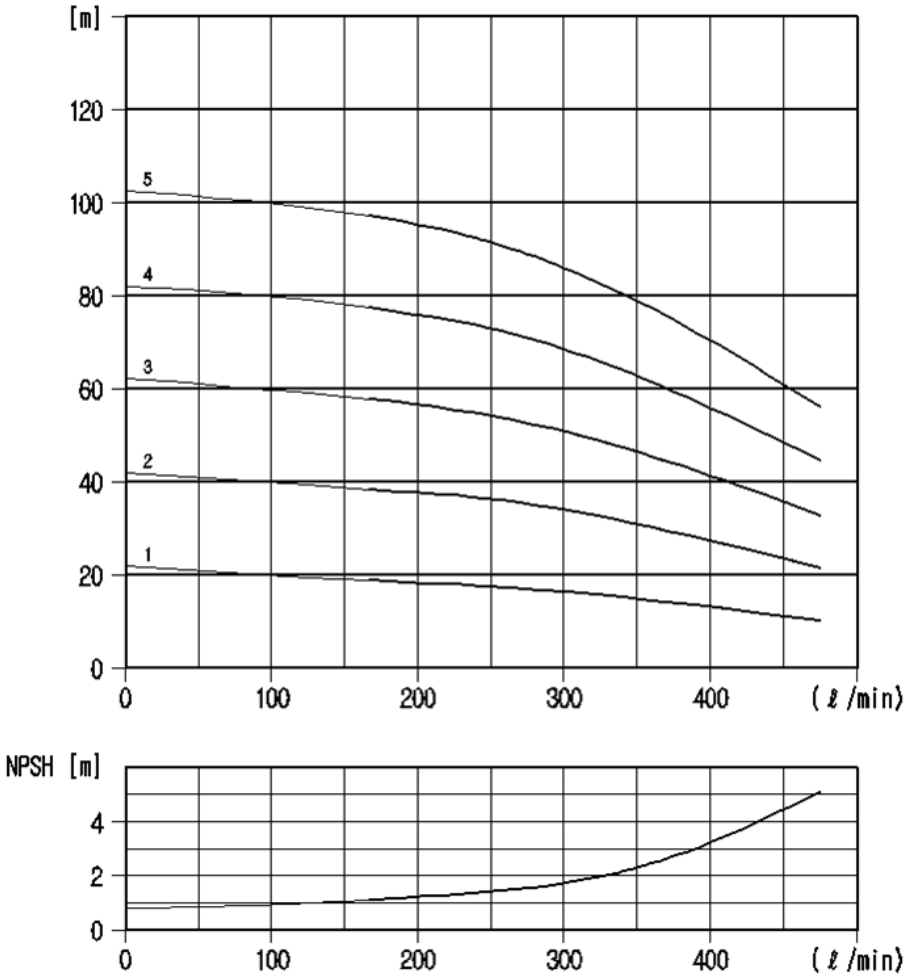
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 15-××/6	6	5.5	26.5/24.1/14.0/13.0	89.2
ACRK 15-××/7	7	5.5	26.5/24.1/14.0/13.0	89.2
ACRK 15-××/8	8	7.5	29.5/27.6/17/15.7	90.1
ACRK 15-××/9	9	7.5	29.5/27.6/17/15.7	90.1

STAINLESS TYPE ステンレスタイプ

ACRK 15 – 60Hz

≫ Performance curve (water-soluble coolant)・性能曲線 (水溶性切削油)

※ISO VG 2 cSt , 20°C



Electrical data 3Ø, 200V / 220V / 380V / 440V, 60Hz

Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 15-××/1	1	1.5	6.6 / 6 / 3.5 / 3.2	85.5
ACRK 15-××/2	2	2.9	12.511/6.4/6.1	86.5
ACRK 15-××/3	3	4.0	17.0/15.4/8.9/8.5	88.5

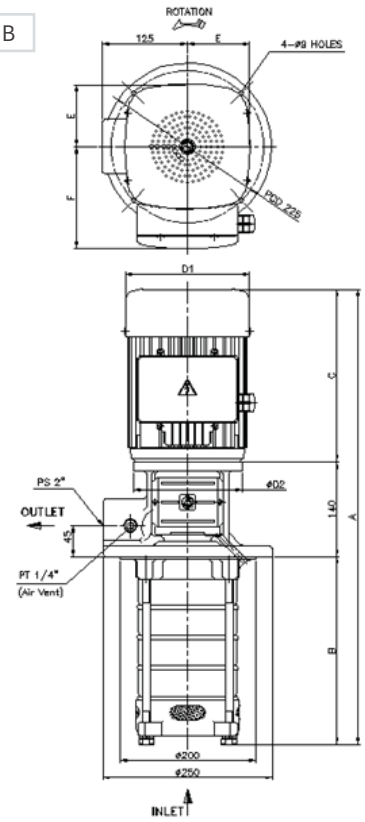
Form	Number of impellers	Motor output [Kw]	CURRENT [A]	Motor efficiency [%]
ACRK 15-××/4	4	5.5	23.1 / 14 / 12	89.5
ACRK 15-××/5	5	7.5	27.1/15.7/13.6	90.2

STAINLESS TYPE ステンレスタイプ

ACRK 15 SERIES

» Appearance・外観

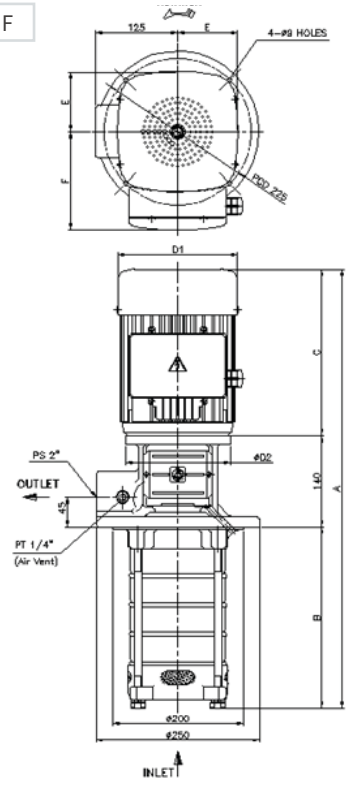
ACRK 15 - ** / * - B



50Hz

MODEL	Moter output [KW]	A		B	C	D1	D2	E	F	Weight [Kg]
		"B"	"F"							
ACRK 15-20/1	1.1	585	600	190	255	141	160	70.5	102	32
ACRK 15-20/2	2.2	602	617	190	272	183	160	91.5	150	39
ACRK 15-30/3	2.9	662	677	235	287	183	160	91.5	150	41
ACRK 15-40/4	4	722	737	280	302	183	160	91.5	150	55
ACRK 15-50/5	4	767	782	325	302	183	160	91.5	150	56
ACRK 15-60/6	5.5	914	929	370	404	248	300	150	193	68
ACRK 15-70/7	5.5	959	974	415	404	248	300	150	193	69
ACRK 15-80/8	7.5	1044	1059	460	444	248	300	150	193	81
ACRK 15-90/9	7.5	1089	1104	505	444	248	300	150	193	82

ACRK 15 - ** / * - F



60Hz

MODEL	Moter output [KW]	A		B	C	D1	D2	E	F	Weight [Kg]
		"B"	"F"							
ACRK 15-20/1	1.5	585	600	190	255	183	160	91.5	150	42
ACRK 15-20/2	2.9	617	632	190	287	183	160	91.5	150	46
ACRK 15-30/3	4	677	692	235	302	183	160	91.5	150	64
ACRK 15-40/4	5.5	824	839	280	404	248	300	150	193	69
ACRK 15-50/5	7.5	909	924	325	444	248	300	150	193	70