

The Best Technology & Quality

HANKOOK **PUMP ENGINE**

we make fire pump
so as to protect human life and property.



Hankookpump Engine



Fire Fighting System

Hankook Pump Engine
The Best Technology & Quality

Hankook Fire Pump is a high quality fire extinguishing system which uses high quality materials and accumulated technology to produce better fire fighting equipment products also we will make it.

COMPANY GREETING

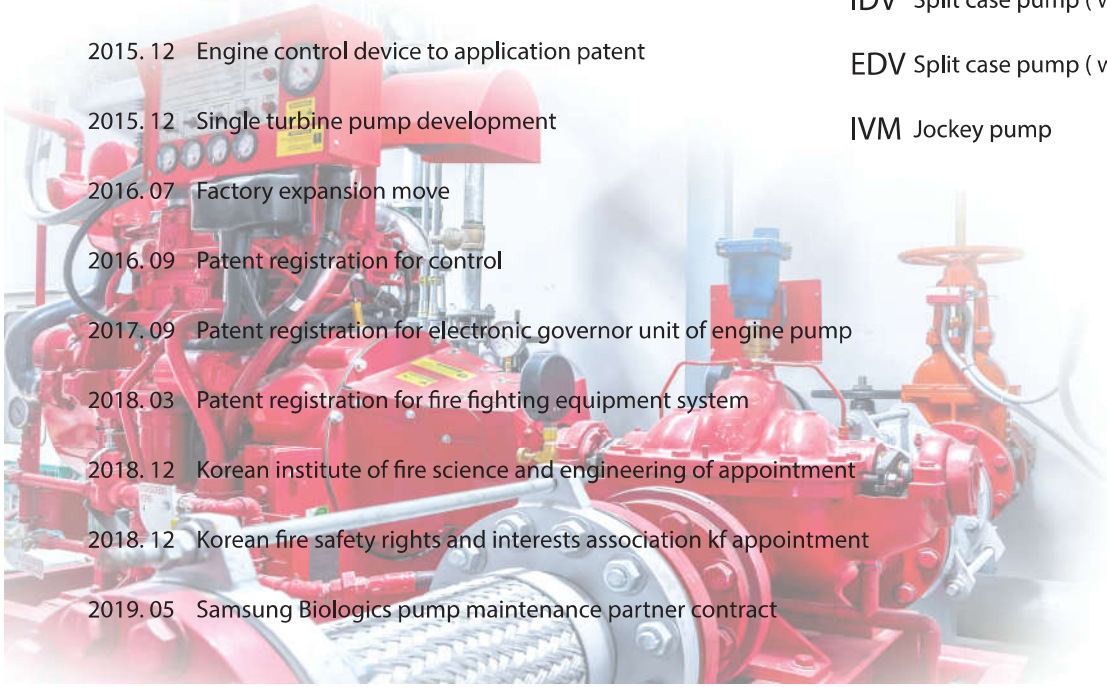
Hankook Pump is fire pump maker.
since established continue developing for customer.
we think the growth of customer is our growth and we keep on continue for high quality product for our customer.
We have to offer for fire fighting equipment industry also will continue to have greater responsibility against fire fighting equipment.
our company responds promptly to customer needs and impresses customers through customer service.
We will grow to be a company with our customer.

COMPANY HISTORY

- 2013. 03 Engine control panel development
- 2014. 06 Establish company
- 2014. 07 Fire fighting engine pump development
- 2014. 10 DY pump with agreement for ODM
- 2015. 12 Engine control device to application patent
- 2015. 12 Single turbine pump development
- 2016. 07 Factory expansion move
- 2016. 09 Patent registration for control
- 2017. 09 Patent registration for electronic governor unit of engine pump
- 2018. 03 Patent registration for fire fighting equipment system
- 2018. 12 Korean institute of fire science and engineering of appointment
- 2018. 12 Korean fire safety rights and interests association kf appointment
- 2019. 05 Samsung Biologics pump maintenance partner contract

Contents

- IMT Multi stage Turbine pump (with Motor)
- EMT Multi stage Turbine pump (with Engine)
- IDV Split case pump (with Motor)
- EDV Split case pump (with Engine)
- IVM Jockey pump



PRODUCTS



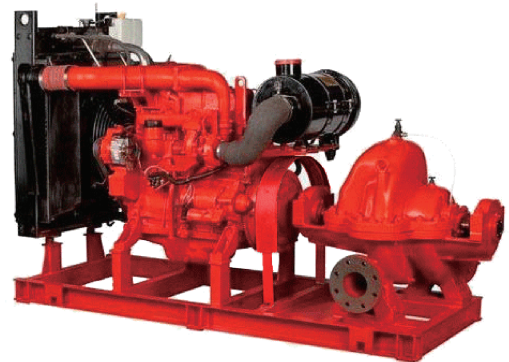
CATEGORY	CONTENT
MODEL	IMT
CAPACITY	Max. 4.5 m ³ /min
HEAD	Max. 128 m
RPM	1450rpm (50Hz)
DISCHARGE BORE	40 ~ 150 mm
ROTATION	CW (Rotation viewed from driver)

CATEGORY	CONTENT
MODEL	EMT
CAPACITY	Max. 4.5 m ³ /min
HEAD	Max. 128 m
RPM	1500rpm
DISCHARGE BORE	40 ~ 150 mm
ROTATION	CW (Rotation viewed from driver)



CATEGORY	CONTENT
MODEL	IDV
CAPACITY	Max. 13 m ³ /min
HEAD	Max. 91 m
RPM	1450rpm (50Hz)
DISCHARGE BORE	150 ~ 250 mm
ROTATION	CW (Rotation viewed from driver)

CATEGORY	CONTENT
MODEL	EDV
CAPACITY	Max. 13 m ³ /min
HEAD	Max. 91 m
RPM	1500rpm
DISCHARGE BORE	150 ~ 250 mm
ROTATION	CW (Rotation viewed from driver)



CATEGORY	CONTENT
MODEL	IVM
CAPACITY	Max. 0.08 m ³ /min
HEAD	Max. 130 m
RPM	2900rpm (50Hz)
DISCHARGE BORE	32 mm
ROTATION	CW (Rotation viewed from driver)



IMT

with Motor
Multi Stage Turbine Pump



Application

- Fire Fighting
- Water Supply
- Industrial Water Supply
- Pressurization

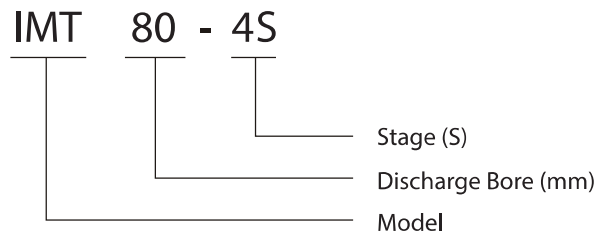
Features

- Compact and lightweight high pressure multi-stage centrifugal pump through excellent manufacturing technology, simple and unique design for high efficiency
- Highly reliable and economic product applying standardized cast iron casing (GC200)
- Economic pump selection to meet customer's various requirements

Standard Specification

CATEGORY	CONTENT
MODEL	IMT
CAPACITY	Max. 4.5 m ³ /min
HEAD	Max. 128 m
TEMPERATURE	Max. 80°C
RPM	1450rpm (50Hz)
DISCHARGE BORE	40 ~ 150 mm
ROTATION	CW (Rotation viewed from driver)
FLANGE	KS B 1511(10kg/cm ²)

Model Designation



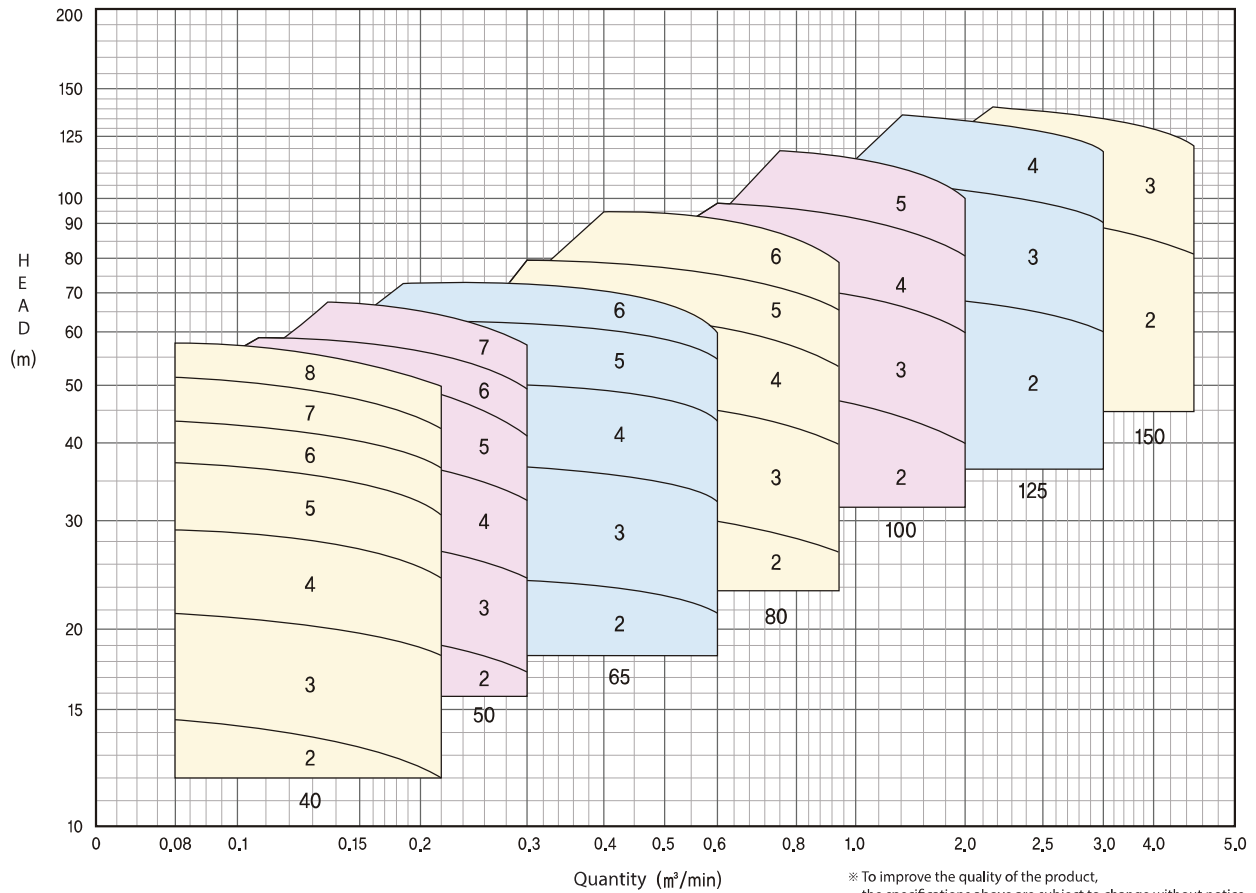
Selectional Drawing

Part No.	Part Name	Material	Option
101/102	Bearing Housing	GC 200	-
103	Ball Bearing	Steel	-
104	Ball Bearing	Steel	-
105	Bearing Nut	GC 200	-
106/107	Bearing Cover	GC 200	-
110	Thrower	Rubber	-
114	Grease Nipple	CAC 406	-
201	Impeller	GC 200	-
202	Casing Ring	GC 200	-
203	Shaft	SM45C	-
204	Stop Ring	SS 400	-
208	Key	SM55C	-
30101	Suction Cas ing	GC 200	-
30102	Discharge Cas ing	GC 200	-
30103	Stage Casing	GC 200	-
30104	Diffuser	GC 200	-
30105	Diffuser- L	GC 200	-
30204	Tie- Bolt	SM25C	-
402	Packing Gland	GC 200	-
403	Packing	Teflon	-
407	Mechanical Seal	SiC/Carbon	-

**Part No. 407, 408 are applicable for M/Seal Option

Selection Chart (50Hz)

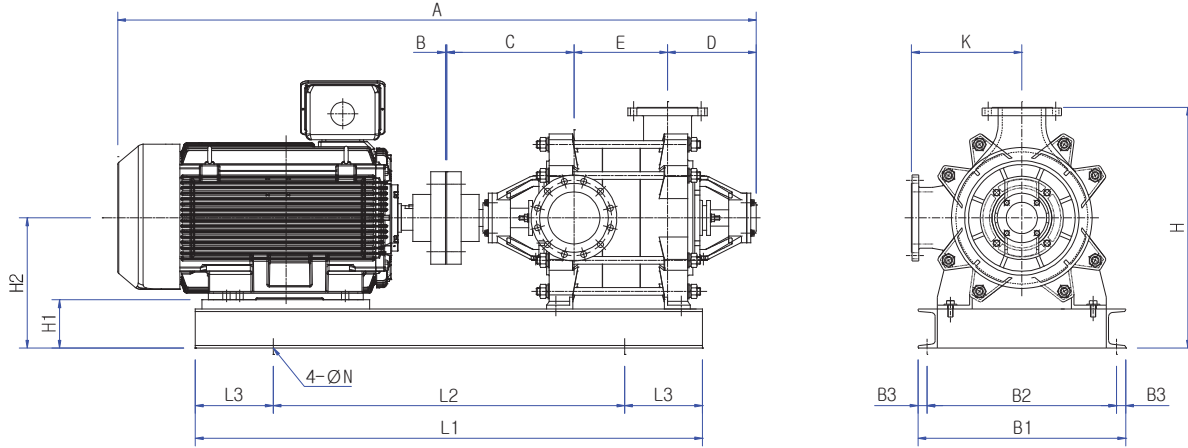
(MOTOR SPEED : 1450rpm)



Specification

MODEL	BORE (SucxDis)	CAPACITY Q (m³/min)	STAGE SPEC	2 ^s	3 ^s	4 ^s	5 ^s	6 ^s	7 ^s	8 ^s	BEARING		M/SEAL		COUPLING Dia.	IMPELLER Dia.
											DRIVEN	END	DRIVEN	END		
IMT 40	50X40	0.22	HEAD (m)	12	18	25	31	37	43	49	6305ZZ	6304ZZ	Ø32	Ø28	Ø24	Ø155
			POWER (KW)	1.5	2.2	2.2	3.7	3.7	3.7	5.5						
IMT 50	65X50	0.3	HEAD (m)	17	25	33	41	49	57	-	6306ZZ	6305ZZ	Ø35	Ø32	Ø28	Ø175
			POWER (KW)	2.2	3.7	3.7	5.5	5.5	7.5	-						
IMT 65	80X65	0.6	HEAD (m)	22	33	44	54	65	-	-	6307ZZ	6306ZZ	Ø40	Ø38	Ø32	Ø203
			POWER (KW)	5.5	7.5	11	11	15	-	-						
IMT 80	100X80	0.95	HEAD (m)	27	39	53	66	79	-	-	6308ZZ	3307	Ø45	Ø42	Ø38	Ø220
			POWER (KW)	11	15	18.5	22	30	-	-						
IMT 100	125X100	2.0	HEAD (m)	40	60	80	98	-	-	-	6309ZZ	3308	Ø50	Ø48	Ø42	Ø265
			POWER (KW)	30	37	55	75	-	-	-						
IMT 125	150X125	3.0	HEAD (m)	61	91	121	-	-	-	-	6311ZZ	3309	Ø60	Ø52	Ø55	Ø320
			POWER (KW)	75	90	110	-	-	-	-						
IMT 150	200X150	4.5	HEAD (m)	81	128	-	-	-	-	-	6313ZZ	3311	Ø70	Ø62	Ø65	Ø360
			POWER (KW)	110	165	-	-	-	-	-						

Outline Dimension



Unit : mm

MODEL	BORE		Stage	POWER		IMT OUT LINE DIMENSION															PUMP (kg)	
	Suc	Dis		KW	HP	A	B	C	E	D	L1	L2	L3	H1	H2	B1	B2	B3	H	K		N
IMT 40	50	40	2	1.5	2	905	4	231	133	161	880	680	100	75	250	250	290	15	424	174	17	72
			3	2.2	3	960	4	231	188	161	935	735	100	75	250	320	290	15	424	174	17	81
			4	2.2	3	1015	4	231	243	161	990	790	100	75	250	320	290	15	424	174	17	90
			5	3.7	5	1072	4	231	298	161	1050	850	100	75	250	320	290	15	424	174	17	99
			6	3.7	5	1127	4	231	353	161	1105	905	100	75	250	320	290	15	424	174	17	108
			7	3.7	5	1182	4	231	408	161	1160	960	100	75	250	320	290	15	424	174	17	117
IMT 50	65	50	2	2.2	3	946	4	240	151	173	920	670	125	75	250	360	330	15	440	190	17	98
			3	3.7	5	1008	4	240	213	173	982	732	125	75	250	360	330	15	440	190	17	111
			4	3.7	5	1070	4	240	275	173	1044	794	125	75	250	360	330	15	440	190	17	124
			5	5.5	7.5	1196	4	240	337	173	1202	952	125	75	250	360	330	15	440	190	17	137
			6	5.5	7.5	1258	4	240	399	173	1264	1014	125	75	250	360	330	15	440	190	17	150
			7	7.5	10	1359	4	240	461	173	1344	1094	125	75	250	360	330	15	440	190	17	163
IMT 65	80	65	2	5.5	7.5	1076	4	257	180	193	1022	722	150	75	270	390	360	15	485	215	17	132
			3	7.5	10	1186	4	257	251	193	1129	829	150	75	270	390	360	15	485	215	17	151
			4	11	15	1363	4	257	322	193	1306	1006	150	75	270	410	380	15	485	215	17	170
			5	11	15	1434	4	257	393	193	1377	1077	150	75	270	410	380	15	485	215	17	189
			6	15	20	1550	4	257	464	193	1492	1192	150	75	270	410	380	15	485	215	17	208
			IMT 80	100	80	2	11	15	1371	4	320	193	250	1152	852	150	75	310	480	450	15	575
3	15	20	1482			4	320	276	250	1263	963	150	75	310	480	450	15	575	265	17	188	
4	18.5	25	1601			4	320	359	250	1426	1126	150	75	310	480	450	15	575	265	17	215	
5	22	30	1663			4	320	442	250	1473	1173	150	75	310	480	450	15	575	265	17	242	
6	30	40	1805			4	320	525	250	1560	1260	150	75	310	480	450	15	575	265	17	269	
IMT 100	125	100	2			30	40	1580	4	360	235	275	1250	850	200	100	370	550	510	20	670	300
3			37	50	1765	4	360	335	275	1420	1020	200	100	370	550	510	20	670	300	19	281	
4			55	75	1891	4	360	435	275	1550	1150	200	100	370	610	570	20	670	300	19	324	
5			75	100	2075	4	360	535	275	1650	1250	200	100	370	610	570	20	670	300	19	367	
IMT 125	150	125	2	75	100	1905	4	420	280	300	1480	980	250	125	450	690	650	30	825	375	22	390
			3	90	125	2058	4	420	395	300	1640	1140	250	125	450	720	660	30	825	375	22	460
			4	110	150	2251	4	420	510	300	1810	1310	250	125	450	720	660	30	825	375	22	530
IMT 150	200	150	2	110	150	2226	4	490	360	355	1750	1250	250	125	530	820	760	30	955	425	22	670
			3	165	215	2573	4	490	505	355	2040	1540	250	125	530	820	760	30	955	425	22	795

EMT

with Engine
Multi Stage Turbine Pump



Application

- Fire Fighting
- Water Supply
- Industrial Water Supply
- Pressurization

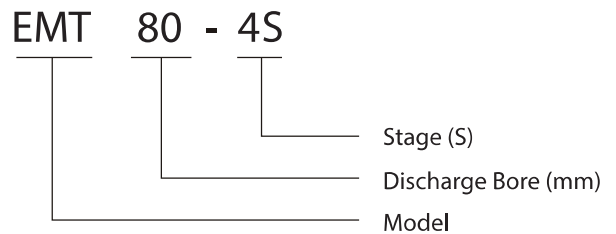
Features

- Compact and lightweight high pressure multi-stage centrifugal pump through excellent manufacturing technology, simple and unique design for high efficiency
- Highly reliable and economic product applying standardized cast iron casing (GC200)
- Economic pump selection to meet customer's various requirements

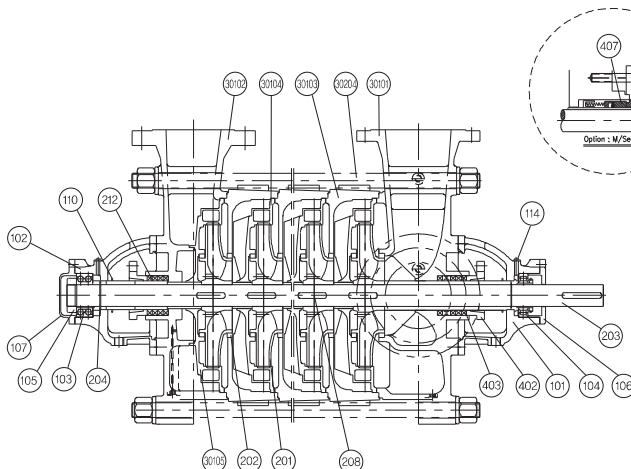
Standard Specification

CATEGORY	CONTENT
MODEL	EMT
CAPACITY	Max. 4.5 m ³ /min
HEAD	Max. 128 m
TEMPERATURE	Max. 80°C
RPM	1500rpm
DISCHARGE BORE	40 ~ 150 mm
ROTATION	CW (Rotation viewed from driver)
FLANGE	KS B 1511(10kg/cm ²)

Model Designation



Selectional Drawing

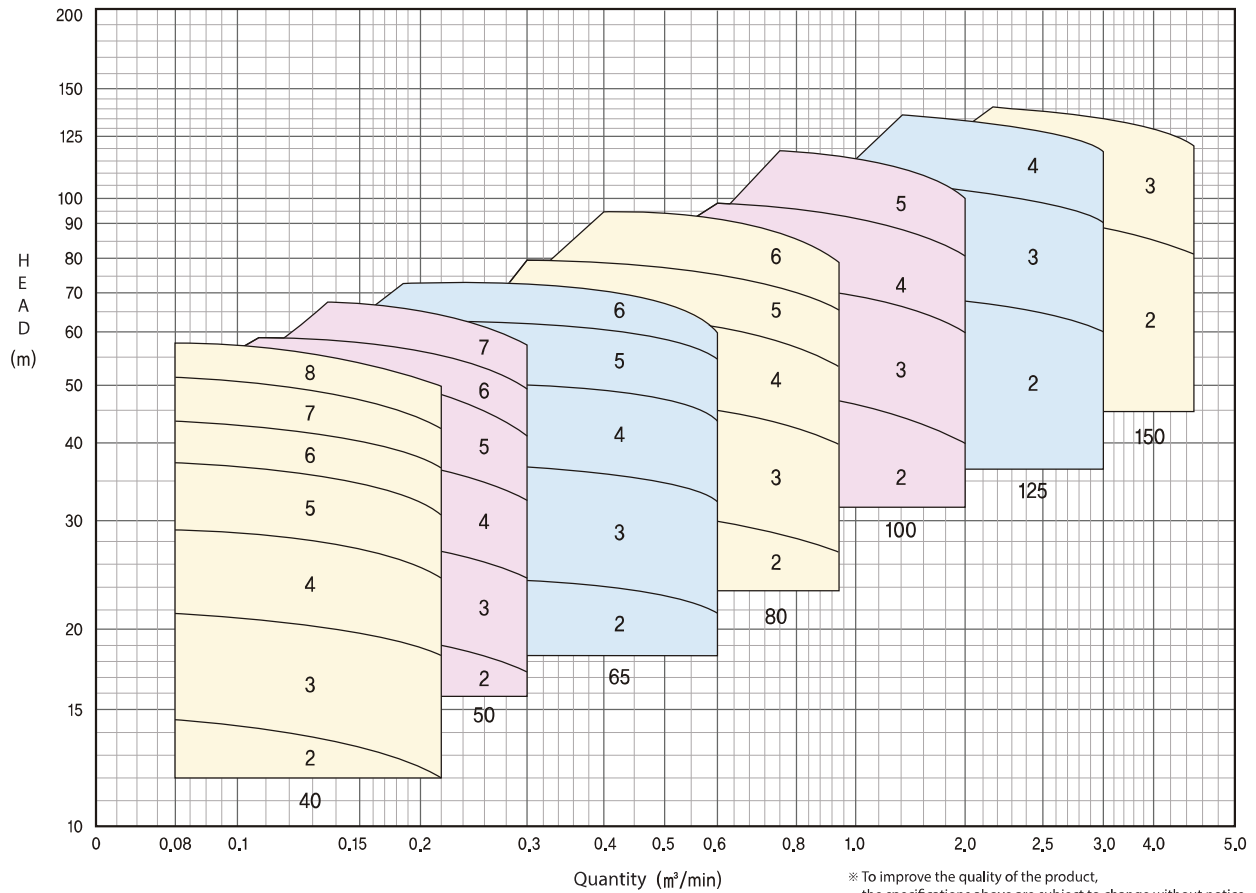


Part No.	Part Name	Material	Option
101/102	Bearing Housing	GC 200	-
103	Ball Bearing	Steel	-
104	Ball Bearing	Steel	-
105	Bearing Nut	GC 200	-
106/107	Bearing Cover	GC 200	-
110	Thrower	Rubber	-
114	Grease Nipple	CAC 406	-
201	Impeller	GC 200	-
202	Casing Ring	GC 200	-
203	Shaft	SM45C	-
204	Stop Ring	SS 400	-
208	Key	SM55C	-
30101	Suction Cas ing	GC 200	-
30102	Discharge Cas ing	GC 200	-
30103	Stage Casing	GC 200	-
30104	Diffuser	GC 200	-
30105	Diffuser- L	GC 200	-
30204	Tie- Bolt	SM25C	-
402	Packing Gland	GC 200	-
403	Packing	Teflon	-
407	Mechanical Seal	SiC/Carbon	-

**Part No. 407, 408 are applicable for M/Seal Option

Selection Chart (50Hz)

(ENGINE SPEED : 1500rpm)

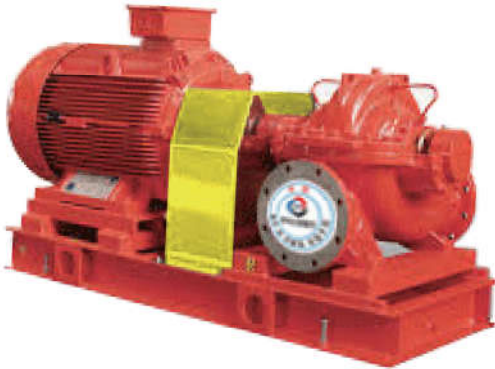


Specification

MODEL	BORE (SucxDis)	CAPACITY Q (m³/min)	STAGE SPEC	2 ^s	3 ^s	4 ^s	5 ^s	6 ^s	7 ^s	8 ^s	BEARING		M/SEAL		COUPLING Dia.	IMPELLER Dia.
											DRIVEN	END	DRIVEN	END		
IMT 40	50X40	0.22	HEAD (m)	12	18	25	31	37	43	49	6305ZZ	6304ZZ	Ø32	Ø28	Ø24	Ø155
			POWER (KW)	1.5	2.2	2.2	3.7	3.7	3.7	5.5						
IMT 50	65X50	0.3	HEAD (m)	17	25	33	41	49	57	-	6306ZZ	6305ZZ	Ø35	Ø32	Ø28	Ø175
			POWER (KW)	2.2	3.7	3.7	5.5	5.5	7.5	-						
IMT 65	80X65	0.6	HEAD (m)	22	33	44	54	65	-	-	6307ZZ	6306ZZ	Ø40	Ø38	Ø32	Ø203
			POWER (KW)	5.5	7.5	11	11	15	-	-						
IMT 80	100X80	0.95	HEAD (m)	27	39	53	66	79	-	-	6308ZZ	3307	Ø45	Ø42	Ø38	Ø220
			POWER (KW)	11	15	18.5	22	30	-	-						
IMT 100	125X100	2.0	HEAD (m)	40	60	80	98	-	-	-	6309ZZ	3308	Ø50	Ø48	Ø42	Ø265
			POWER (KW)	30	37	55	75	-	-	-						
IMT 125	150X125	3.0	HEAD (m)	61	91	121	-	-	-	-	6311ZZ	3309	Ø60	Ø52	Ø55	Ø320
			POWER (KW)	75	90	110	-	-	-	-						
IMT 150	200X150	4.5	HEAD (m)	81	128	-	-	-	-	-	6313ZZ	3311	Ø70	Ø62	Ø65	Ø360
			POWER (KW)	110	165	-	-	-	-	-						

IDV

with Motor
Split Case Pump



Standard Specification

CATEGORY	CONTENT
MODEL	IDV
CAPACITY	Max. 13 m ³ /min
HEAD	Max. 91 m
TEMPERATURE	Max. 80°C
RPM	1450rpm (50Hz)
DISCHARGE BORE	150 ~ 250 mm
ROTATION	CW (Rotation viewed from driver)
FLANGE	KS B 1511(10kg/cm ²)

Application

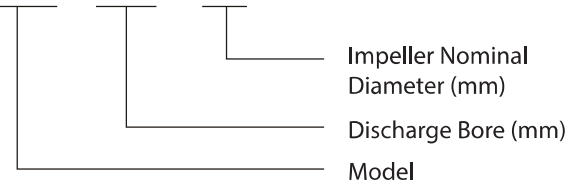
- Fire Fighting
- Irrigation
- Industrial Water Supply
- Circulation

Features

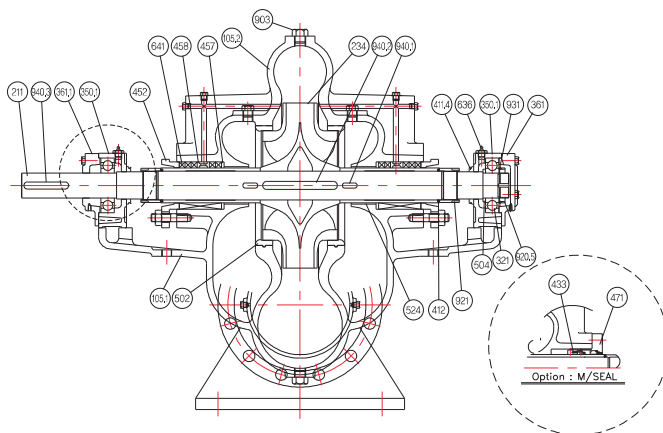
- Wide range of application and outstanding performance in operation
- Easy maintenance by horizontally divided casing at the center line of the shaft
- Semi-permanent main shaft protected by shaft sleeve
- The bearing is designed to be greased, be easily operated and repaired

Model Designation

IDV 200 - 340



Selectional Drawing

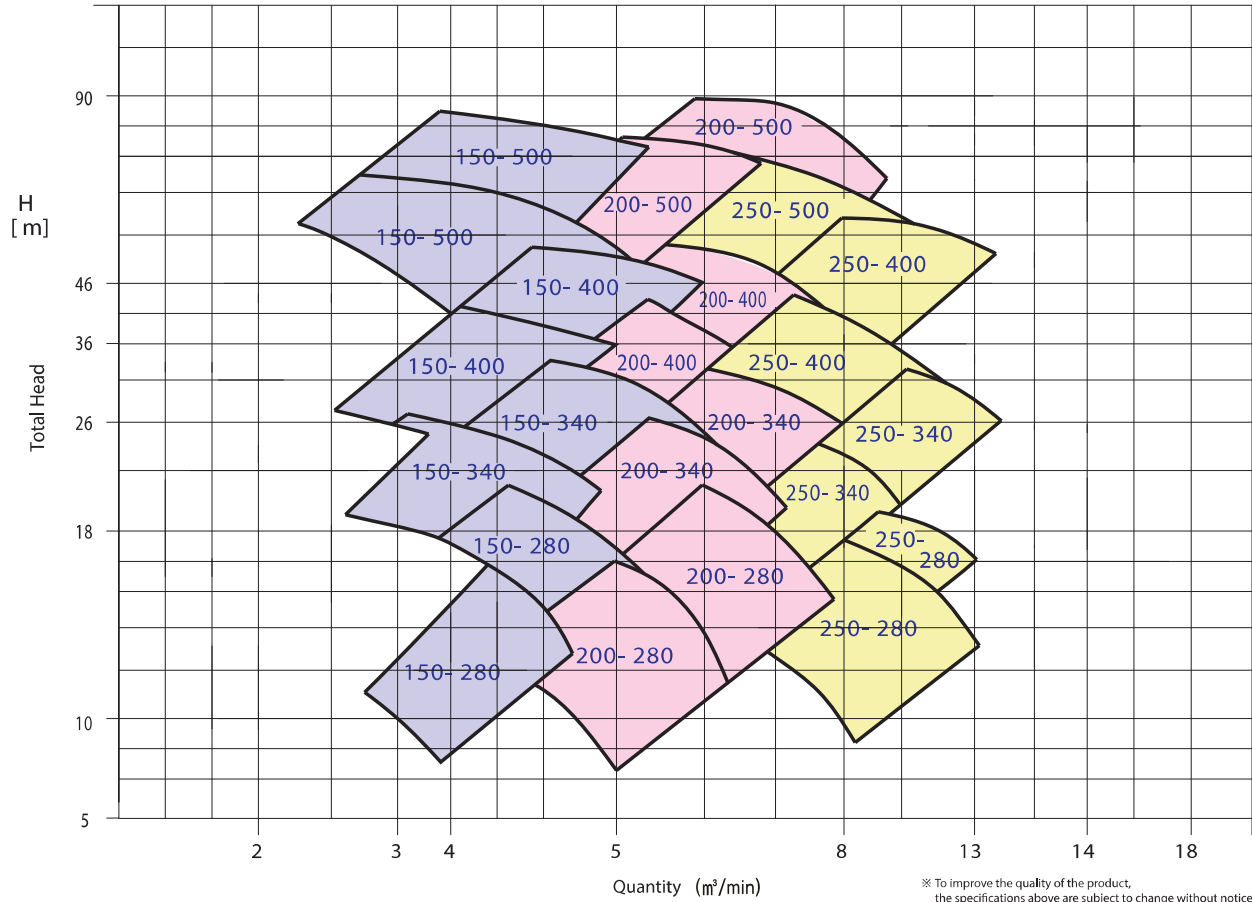


Part No.	Part Name	Standard Material	Option
105.1	Casing Lower Half	GC200	GCD450/SC410/SSC13
105.2	Casing Upper Half	GC200	GCD450/SC410/SSC13
211	Shaft	SM45C	SCM440/STS304/STS316
234	Impeller	GC200	CAC406/SC410/SSC13
321	Ball Bearing	Steel	-
350.1	Bearing Housing	GC200	-
361	Bearing Cover- E	GC200	-
411.4	V- ring	Rubber	-
412	O- ring	Rubber	-
433	Mechanical Seal	SiC/Carbon	-
452	Packing Gland	GC200	-
457	Packing Seat	SM45C	-
458	Lantern Ring	GC200	-
461	Pack ing	P.T.F.E	Require ment
471	M/Se al Co ver	SS400	STS 304
502	Casi ng Ring	GC200	CAC406/SC51 3, 14, 16
504	Beari ng Seat	SS400	-
524	Sha ft Sle eve	STS 304	SSC13/SSC14/SS C16
636	Grea se Nipple	CAC406	-
903	Plug	CAC406	-
920.5	Beari ng Nut	SM45C	-
921	Sha ft Nut	SM45C	-
931	Beari ng Was her	SM45C	-
940.1	Key	SM55C	STS 304
940.2	Key	SM55C	STS 304
940.3	Key	SM55C	STS 304

©*Part No. 433, 471 are applicable for M/Seal Option

Selection Chart (50Hz)

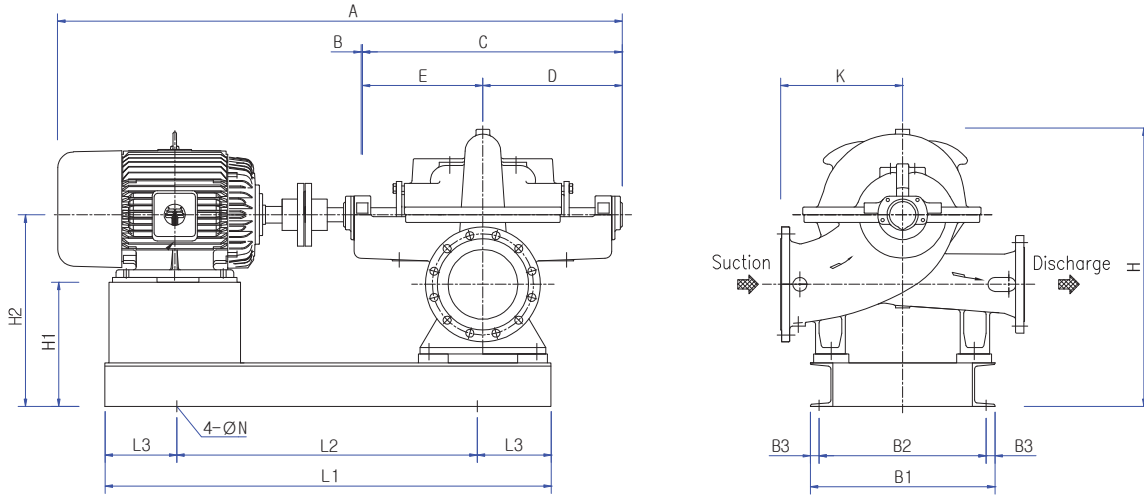
(MOTOR SPEED : 1450rpm)



Specification

MODEL	BORE (SUC × DIS)	CAPACITY Q (m³/min)	HEAD (m) SPEC	HEAD (m)					BEARING		M/SEAL		COUPLING Dia.	IMPELLER Dia. (MAX)
				20	30	50	70	90	DRIVEN	END	DRIVEN	END		
150-280	200×150	5.0	POWER (KW)	30	-	-	-	-	6308 C3	6308 C3	-	-	Ø293	Ø293
150-340				-	55	-	-	-			-	-	Ø340	Ø340
150-400				-	-	90	-	-			-	-	Ø395	Ø395
150-500				-	-	-	132	-			-	6310 C3	6310 C3	-
200-280	250×200	7.5	POWER (KW)	45	-	-	-	-	6310 C3	6310 C3	-	-	Ø300	Ø300
200-340				-	75	-	-	-			-	-	Ø350	Ø350
200-400				-	-	132	-	-			-	-	Ø420	Ø420
200-500				-	-	-	185	-			-	6312 C3	6312 C3	-
250-280	300×250	12.5	POWER (KW)	75	-	-	-	-	6312 C3	6312 C3	-	-	Ø305	Ø305
250-340				-	132	-	-	-			-	-	Ø365	Ø365
250-400				-	-	220	-	-			-	-	Ø425	Ø425
250-500				-	-	-	260	370			6314 C3	6314 C3	-	-

Outline Dimension

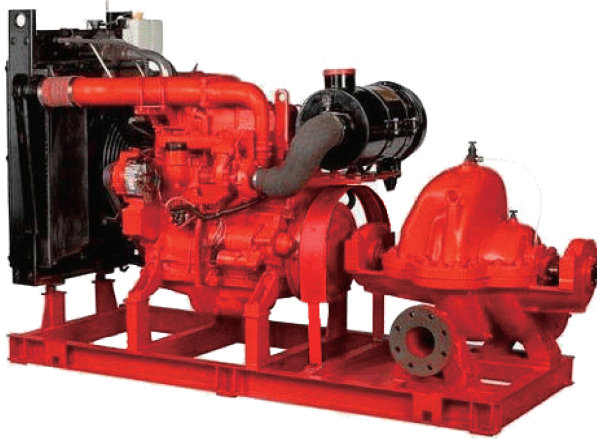


Unit : mm

MODEL	BORE		POWER (KW)	IDV OUT LINE DIMENSION															PUMP (kg)	
	Suc	Dis		A	B	C	E	D	L1	L2	L3	H1	H2	B1	B2	B3	H	K		N
150-280	200	150	22	1561	4	910	510	400	1240	940	150	370	550	560	510	25	795	350	23	366
			30	1620	4	910	510	400	1280	980	150	370	550	560	510	25	795	350	23	366
150-340			45	1705	4	910	510	400	1380	1080	150	350	550	560	510	25	817	400	23	390
			55	1731	4	910	510	400	1380	1080	150	325	550	560	510	25	817	400	23	390
150-400			75	1815	4	910	510	400	1390	1090	150	300	550	590	540	25	832	400	23	438
			90	1853	4	910	510	400	1430	1130	150	300	550	590	540	25	832	400	23	438
150-500			110	1878	4	1010	560	450	1580	1180	200	270	550	660	610	25	880	450	23	558
			132	2083	4	1010	560	450	1630	1230	200	270	550	660	610	25	880	450	23	558
			150	2233	4	1010	560	450	1820	1420	200	235	550	660	610	25	880	450	23	558
200-280			250	200	37	1805	4	1010	560	450	1430	1130	150	350	550	660	610	25	825	410
45	1805	4			1010	560	450	1430	1130	150	350	550	660	610	25	825	410	23	480	
200-340	55	1831			4	1010	560	450	1460	1160	150	400	625	680	620	30	925	400	23	516
	75	1915			4	1010	560	450	1470	1170	150	375	625	680	620	30	925	400	23	516
200-400	90	1953			4	1010	560	450	1510	1210	150	375	625	680	620	30	925	450	23	582
	110	2031			4	1010	560	450	1580	1180	200	345	625	680	620	30	925	450	23	582
	132	2082			4	1010	560	450	1630	1230	200	345	625	680	620	30	925	450	23	582
200-500	150	2408			4	1185	655	530	1820	1420	200	345	625	680	620	30	995	450	23	726
	185	2408			4	1185	655	530	1820	1420	200	345	625	680	620	30	995	450	27	726
	200	2408			4	1185	655	530	1820	1420	200	345	625	680	620	30	995	450	27	726
250-280	300	250	55	2090	4	1185	655	530	1580	1180	200	480	730	730	670	30	1063	500	23	672
75			2090	4	1185	655	530	1580	1180	200	480	730	730	670	30	1063	500	23	672	
250-340			90	2128	4	1185	655	530	1620	1220	200	480	730	730	670	30	1080	500	23	726
			110	2206	4	1185	655	530	1690	1290	200	450	730	730	670	30	1080	500	23	726
250-400			132	2257	4	1185	655	530	1740	1340	200	450	730	730	670	30	1080	500	23	726
			150	2408	4	1185	635	530	1840	1440	200	450	730	730	670	30	1230	550	23	804
			185	2408	4	1185	655	530	1840	1440	200	450	730	730	670	30	1230	550	23	804
250-500			200	2408	4	1185	655	530	1840	1440	200	450	730	730	670	30	1230	550	23	804
			185	2518	4	1295	720	575	1900	1500	200	450	730	730	670	30	1130	550	27	984
			200	2518	4	1295	720	575	1900	1500	200	450	730	730	670	30	1130	550	27	984

EDV

with Engine
Split Case Pump



Standard Specification

CATEGORY	CONTENT
MODEL	EDV
CAPACITY	Max. 13 m ³ /min
HEAD	Max. 91 m
TEMPERATURE	Max. 80°C
RPM	1450rpm (50Hz)
DISCHARGE BORE	150 ~ 250 mm
ROTATION	CW (Rotation viewed from driver)
FLANGE	KS B 1511(10kg/cm ²)

Application

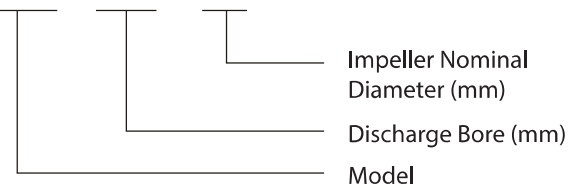
- Fire Fighting
- Irrigation
- Industrial Water Supply
- Circulation

Features

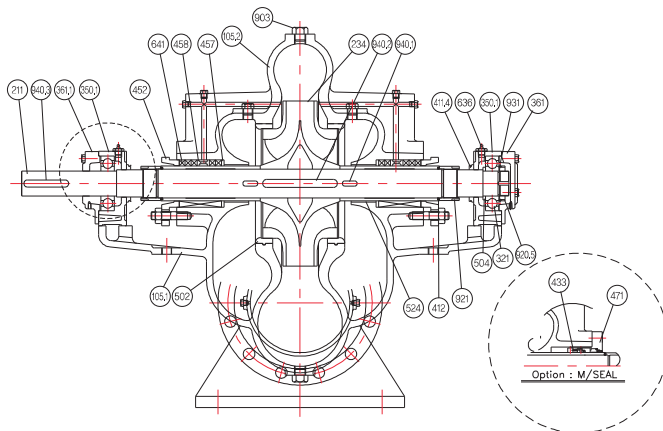
- Wide range of application and outstanding performance in operation
- Easy maintenance by horizontally divided casing at the center line of the shaft
- Semi-permanent main shaft protected by shaft sleeve
- The bearing is designed to be greased, be easily operated and repaired

Model Designation

EDV 200 - 340



Selectional Drawing

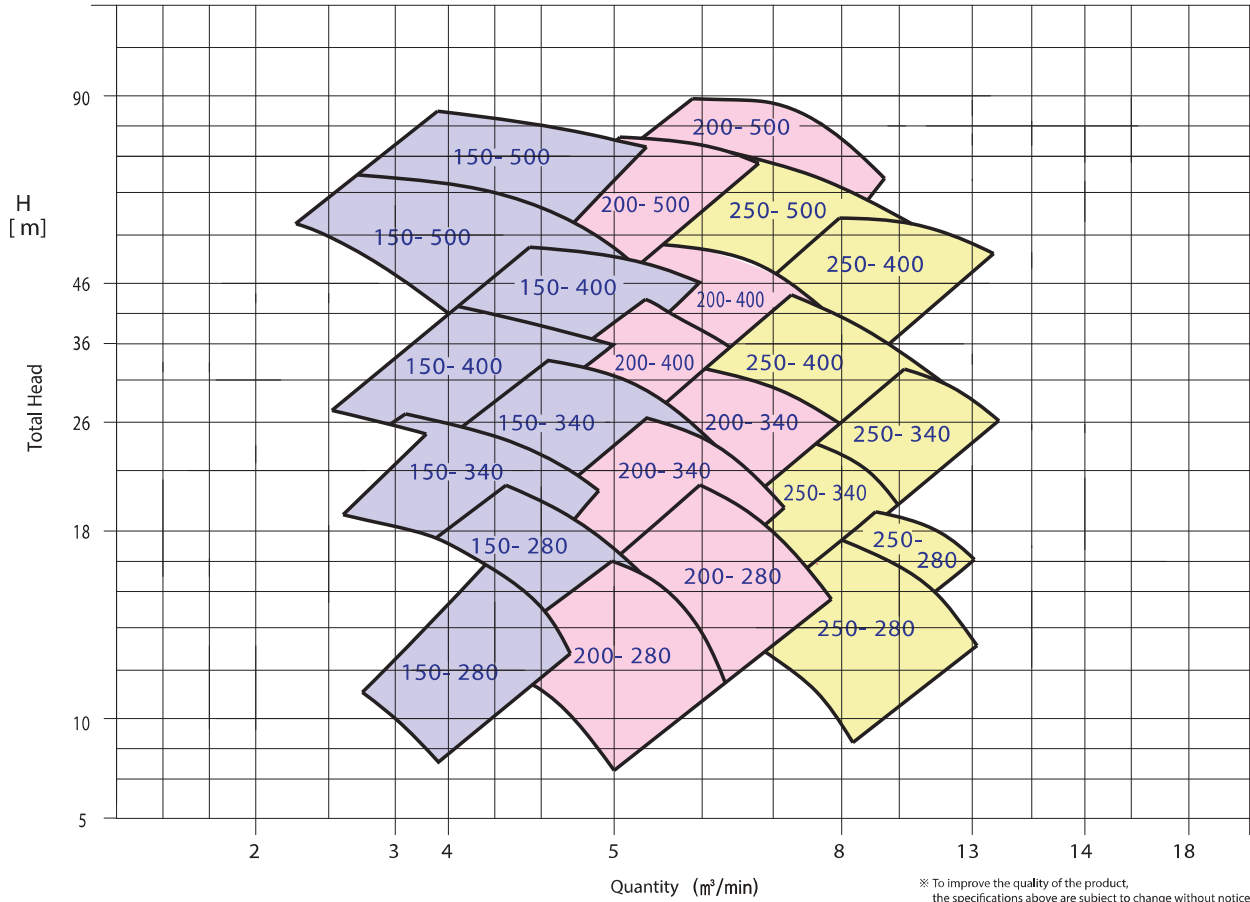


Part No.	Part Name	Standard Material	Option
105.1	Casing Lower Half	GC200	GCD450/SC410/SSC13
105.2	Casing Upper Half	GC200	GCD450/SC410/SSC13
211	Shaft	SM45C	SCM440/STS304/STS316
234	Impeller	GC200	CAC406/SC410/SSC13
321	Ball Bearing	Steel	-
350.1	Bearing Housing	GC200	-
361	Bearing Cover- E	GC200	-
411.4	V- ring	Rubber	-
412	O- ring	Rubber	-
433	Mechanical Seal	SiC/Carbon	-
452	Packing Gland	GC200	-
457	Packing Seat	SM45C	-
458	Lantern Ring	GC200	-
461	Pack ing	P.T.F.E	Requirement
471	M/Se al Cover	S5400	STS 304
502	Casi ng Ring	GC200	CAC406/SC51 3, 14, 16
504	Beari ng Seat	S5400	-
524	Sha ft Sleeve	STS 304	SSC13/SSC14/SS C16
636	Grea se Nipple	CAC406	-
903	Plug	CAC406	-
920.5	Beari ng Nut	SM45C	-
921	Sha ft Nut	SM45C	-
931	Beari ng Was her	SM45C	-
940.1	Key	SM55C	STS 304
940.2	Key	SM55C	STS 304
940.3	Key	SM55C	STS 304

©*Part No. 433, 471 are applicable for M/Seal Option

Selection Chart (50Hz)

(ENGINE SPEED : 1500rpm)



Specification

MODEL	BORE (SUC × DIS)	CAPACITY Q (m³/min)	HEAD (m) SPEC	HEAD (m)					BEARING		M/SEAL		COUPLING Dia.	IMPELLER Dia. (MAX)
				20	30	50	70	90	DRIVEN	END	DRIVEN	END		
150-280	200×150	5.0	POWER (KW)	30	-	-	-	-	6308 C3	6308 C3	-	-	Ø293	Ø293
150-340				-	55	-	-	-			-	-	Ø340	Ø340
150-400				-	-	90	-	-			-	-	Ø395	Ø395
150-500				-	-	-	132	-			-	6310 C3	6310 C3	-
200-280	250×200	7.5	POWER (KW)	45	-	-	-	-	6310 C3	6310 C3	-	-	Ø300	Ø300
200-340				-	75	-	-	-			-	-	Ø350	Ø350
200-400				-	-	132	-	-			-	-	Ø420	Ø420
200-500				-	-	-	185	-			-	6312 C3	6312 C3	-
250-280	300×250	12.5	POWER (KW)	75	-	-	-	-	6312 C3	6312 C3	-	-	Ø305	Ø305
250-340				-	132	-	-	-			-	-	Ø365	Ø365
250-400				-	-	220	-	-			-	-	Ø425	Ø425
250-500				-	-	-	260	370			6314 C3	6314 C3	-	-

IVM

with Motor
Jockey Pump



Application

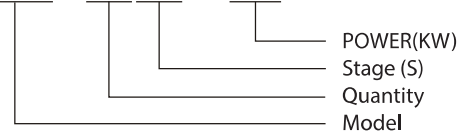
- Fire Fighting
- Jockey Pump
- Water Supply for Boiler
- High-rise Water Supply

Features

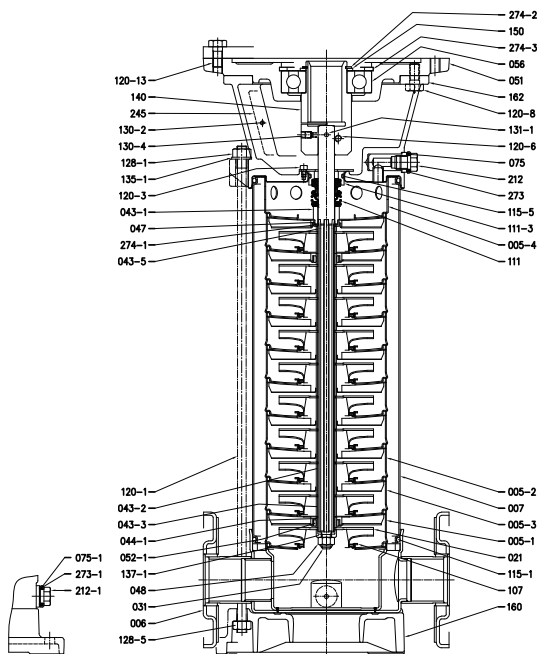
- Compared to the horizontal multistage pump, the vertical multistage pump takes up only one fourth of the installation space.
- The suction/discharge pipe is the inline type for easy installation.
The round flange is applied to all models to prevent leakage caused by piping stress.
- Compared to the normal volute pump, it is manufactured precisely for low flow and high pressure applications.

Model Designation

IVM 0506 / 1.5



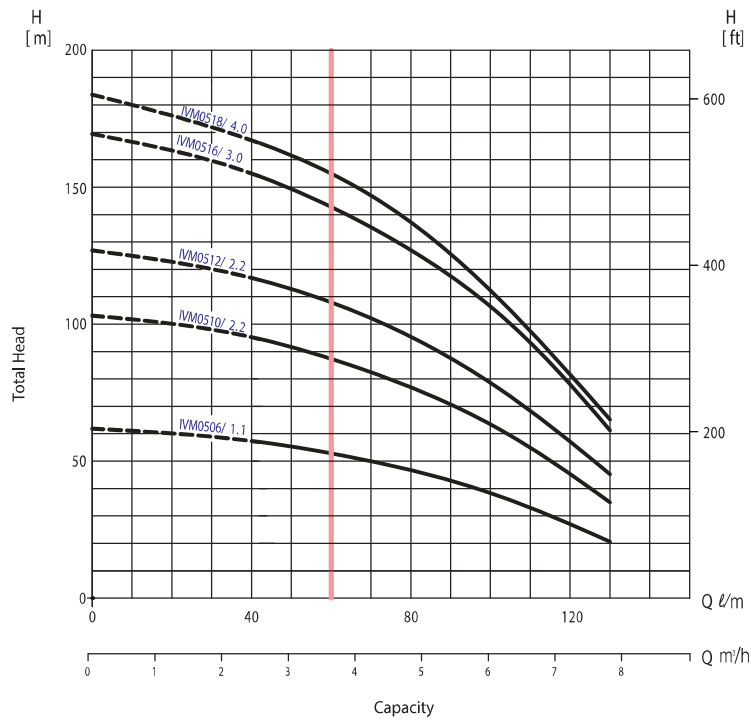
Selectional Drawing



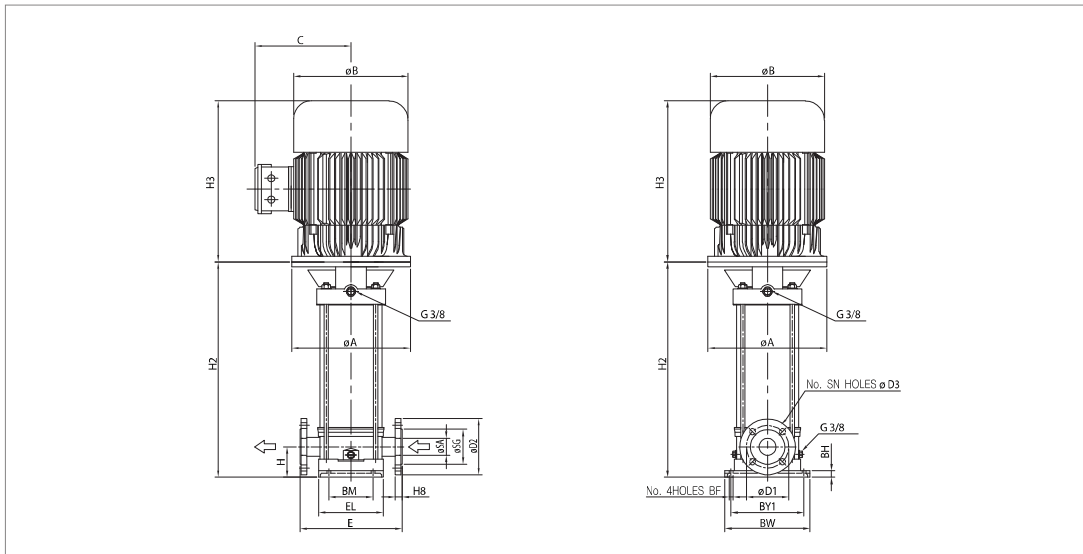
NO.	Part Name	Material	
		EVM	EVM1
005-1	Suction Cas ing	STS 304	STS 316
005-2	Intermediate Cas ing	STS 304	STS 316
005-3	Intermediate Casing Bear ing	STS 304	STS 316
005-4	Discharge Cas ing	STS 304	STS 316
006	Bottom Cas ing	STS304/SS C13	STS316/SS C14
007	Outer Cas ing	STS316/STS 304	STS 316
021	Impeller	STS 304	STS 316
031	Shaft	Tungsten Carb ide	
043-1	Shaft Sleeve (Mechanical se al)	STS 304	STS 316
043-2	Shaft Sleeve (Intermedia te)	STS 304	STS 316
043-3	Shaft Sleeve (Bear ing)	STS 304	STS 316
043-5	Shaft Sleeve (Last Sta ge)	STS 304	STS 316
044-1	Shaft Sleeve Bear ing	Tungsten Carb ide	
047	Ring Hol der	STS 304	STS 316
048	Impeller Nut	A2-70 UNI 7 323	A4-70 UNI 7 323
051	Motor Adap ter	Cast Iron EN-GJL-200 EN 1 561	
052-1	Bear ing	Tungsten Carb ide	
056	Ball Bear ing	cN	
107	Liner R ing	EPDM/STS304(03-18), PTFE/STS316(32-45)	PTFE/STS 316
111-3	Mechanical Seal S eat	STS 304	STS 316
115-1	O-Ring (Outer Cas ing)	EPDM	FPM
115-5	O-Ring (Seal Cov er)	EPDM	FPM
120-3	Screw (Mechanical Se al)	A2-70 UNI 7 323	
120-6	Screw for Coupling(Mot or)	Zincate Steel 8.8 Strength Class 89 8/1	
120-13	Screw (Motor Adap ter)	Zincate Steel 8.8 Strength Class 89 8/1	
130-2	Screw for Coupling Gu ard	A2-70 UNI 7 323	
131-1	Pin for Sh aft	Carbon St eel	
137-1	Impeller Spa cer	STS 304	STS 316
140	Coupling	Brass OT 58 UNI 5 705	
150	Spa cer	Carbon St eel	
160	Base	Cast Iron EN-GJL-200 EN 1 561	
162	Motor Brac ket	Cast Iron EN-GJL-200 EN 1 561	
212	Plug	STS 304	STS 316
245	Coupling Gu ard	STS 304	
274-1	C-Type Snap Ring (M/Se al)	STS 304	STS 316
274-2	C-Type Snap Ring (Coupl ing)	Carbon Steel T C 80	
274-3	C-Type Snap Ring (Brack et)	Carbon Steel T C 80	

Selection Chart (50Hz)

(MOTOR SPEED : 2900rpm)



Outline Dimension



unit : mm

Pump Type	Pmax [bar]	Dimension																			Weight [kg]		
		H	H2	H3	E	B	C	BM	BL	BY1	BW	SA	SG	D1	D2	H8	SN	D3	BF	BH	A	Pump	Pump + Motor
IVM05	16	75	402	232	250	160	139	100	149	180	210	ø32	ø71	ø100	ø140	20	4	ø14	ø12	20	ø120	14.1	25.2
			534	267		180	148														ø140	17.9	33.9
			590	267	180	148	ø140														19.7	35.7	
			712	306	196	155	ø160														23.3	46.1	
	25	768																			ø160	28.7	51.5

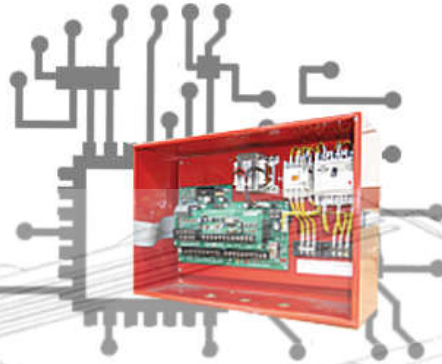
CHALLENGES FOR GROWTH

We always do our best with invisible technical skills and customer service.

Technology

Optimized Firefighting Panel

With our core technology, fire fighting panel cruise function and intuitive PCB design that easy to manage.



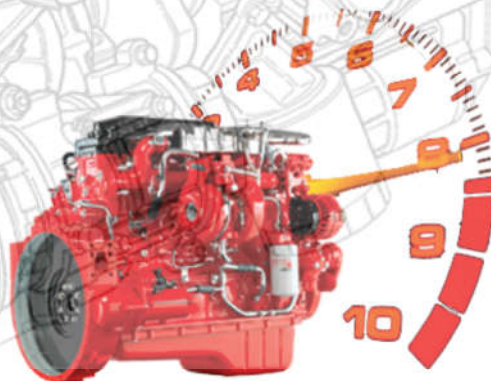
Developed multi stage pump

Our company has the advanced technology and know-how to make the pump which is optimized for the fire pump. Superior performance with independent development.



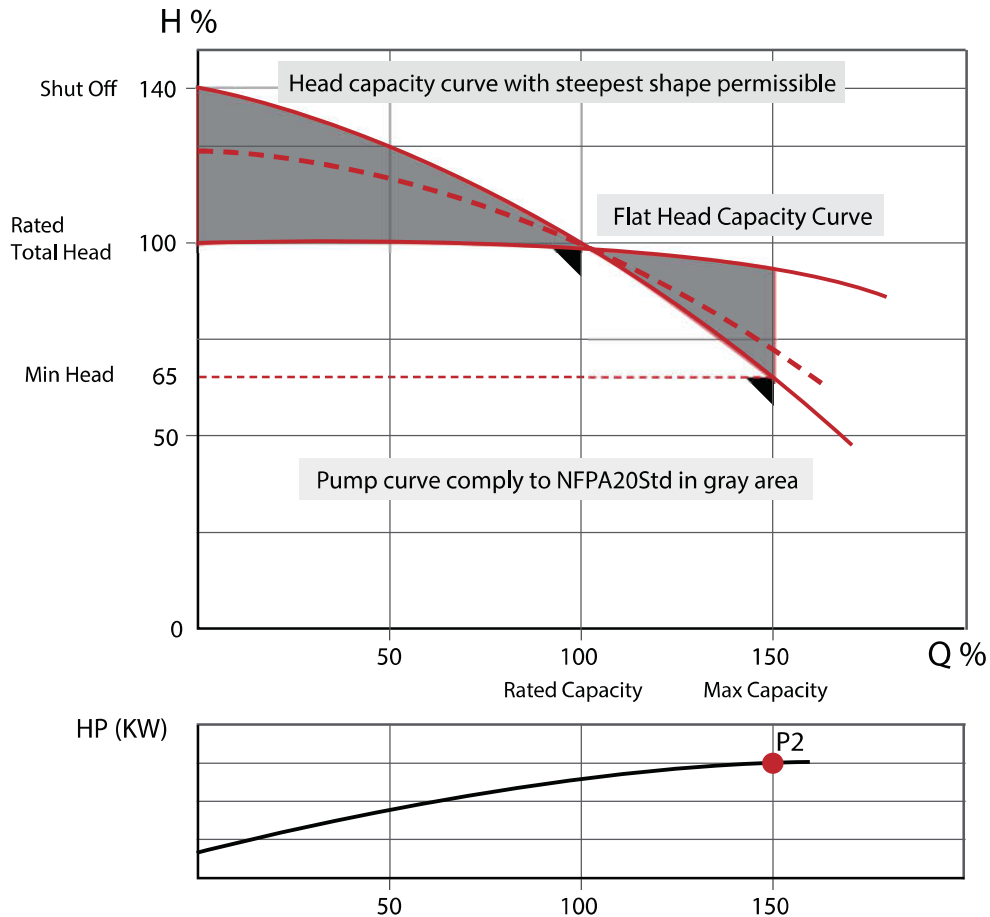
Engine of cruise function

By installing the cruise function of the engine, it maintains the set number of revolutions when the power is insufficient. Achieves low horsepower and high efficiency technology.



PUMP CURVE

COMPLY TO NFPA 20Std

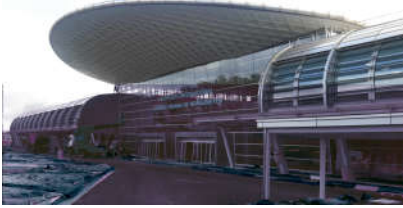


We have strictly selected the pumps that are used for fire fighting applications by meeting the requirements of NFPA 20Std.

20Std NFPA requires that the pump curve that is used for fire fighting should reach the maximum capacity of 150% where the rated capacity is 100% and the total head must be a minimum of 65% and shut off must be 140% of the rated total head 100% (See DWG-1)

Pump power (P2) must be selected at the maximum point capacity of 150%, and the next motor input power is set ($P1 = P2 / \eta_{\text{motor}}$).

To abroad



- Africa
- Equatorial Guinea
- Mongomeyen Airport



- Vietnam
- Hanoi Factory



- Africa
- Angola



- Indonesia
- Jakarta

Domestic

- Seoul
- Sewage treatment plant



- Hoengseong
- Military Oil Storage



- Gumi
- Water purification plant

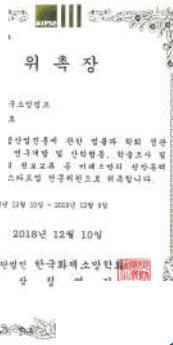
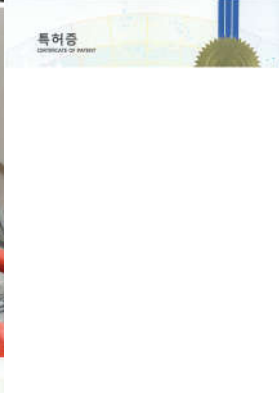


- Ko Hung
- Naro Space Center



- Jeju Island
- Sewage treatment plant

What us do



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