



Inter Pump



Series Centrifugal Pumps



APPLICATIONS

- Water pumping in the civil, industrial and agricultural sectors. Circulation of hot and cold water for heating and conditioning systems
- Warm water, circulation and pressure boosting
- Irrigation systems for agriculture and sporting facilities

OPERATING LIMITS

- Suction lift up to 6-8 m with foot valve
- Maximum operating pressure 8bar
- Maximum ambient temperature +40°C
- Liquid temperature up to +90°C
- Maximum altitude +1000m

PRODUCTION STANDARD

IEC 60034-1	IEC 335-1
IEC 34-1	ISO 2548

DESIGN FEATURES

- Pump body: cast iron
- Impeller: cast iron
- Motor shaft: AISI1045
- Mechanical seal: NBR/Graphite/Ceramic



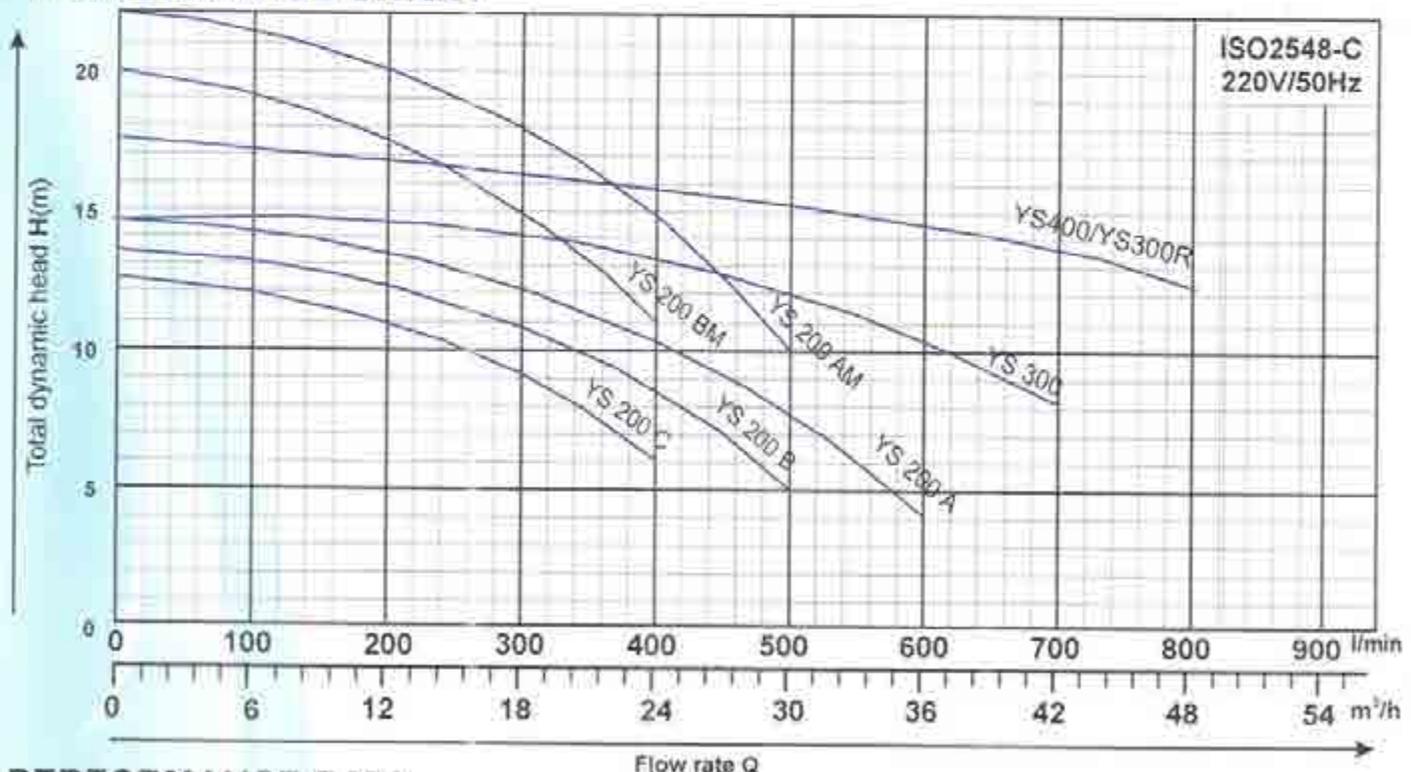
MOTOR

- Single phase power supply with capacitor permanently activated
- Insulation class B
- Protection Ip44
- Speed of rotation 2850rpm
- Continuous duty S1

SPECIAL FEATURES ON REQUEST

- Stainless steel welding shaft
- AISI420/AISI304/AISI316 stainless steel shaft
- FPM/EODM/SiC/WC mechanical seal
- Other voltage and frequency
- Internal thermal protector
- Three phase power

PERFORMANCE CHART



PERFORMANCE DATA

TYPE	Power		μF	Ampere		Q /min m ³ /h	Flow rate Q								DINA	DNM	N.W (kg)	PACKAGE DIMENSION LxWxH (mm)				
	HP	KW		220V~1 50Hz	380V 50Hz		0	100	200	300	400	500	600	700					800			
							0	6	12	18	24	30	36	42					48			
YS200C	0.8	0.6	16	3.5	-	H (m)	12.5	12	11	9	6	-	-	-	-	-	2"	2"	21.8	400	240	290
YS200B	1.0	0.75	20	6.0	-		13.5	13	12	11	8.5	5	-	-	-	-	2"	2"	21.8	400	240	290
YS200A	1.5	1.1	30	6.5	-		14.5	14	13.5	12.3	10.5	7.5	4	-	-	-	2"	2"	21.8	400	240	290
YS200BM	1.5	1.1	30	6.5	-		20	19	17.5	16	11	-	-	-	-	-	2"	2"	21.8	400	240	290
YS200AM	2.0	1.5	30	8.5	-		22	21.5	20	18	15	10	-	-	-	-	2"	2"	21.8	400	240	290
YS 300	3	2.2	60	10.5	3.2		14.5	14.5	14.5	14	13.3	12	10	8	-	-	3"	3"	36	400	240	345
YS400	4	3	-	-	5.5		17.5	17	16.8	16.5	16	15.5	14.5	13.5	12.5	3"	3"	36	400	240	345	
YS300R	4	3	-	-	5.5		17.5	17	16.8	16.5	16	15.5	14.5	13.5	12.5	4"	4"	40	400	240	345	

CS



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- Maximum operating pressure: 8bar
- Maximum ambient temperature +40°C.
- Liquid temperature up to +90°C.
- Maximum altitude +1000m.

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IEC 34-1	ISO 2548

DESIGN FEATURES

- Pump body: cast iron.
- Impeller: cast iron.
- Motor shaft: AISI1045.
- Mechanical seal: NBR/Graphite/Ceramic.

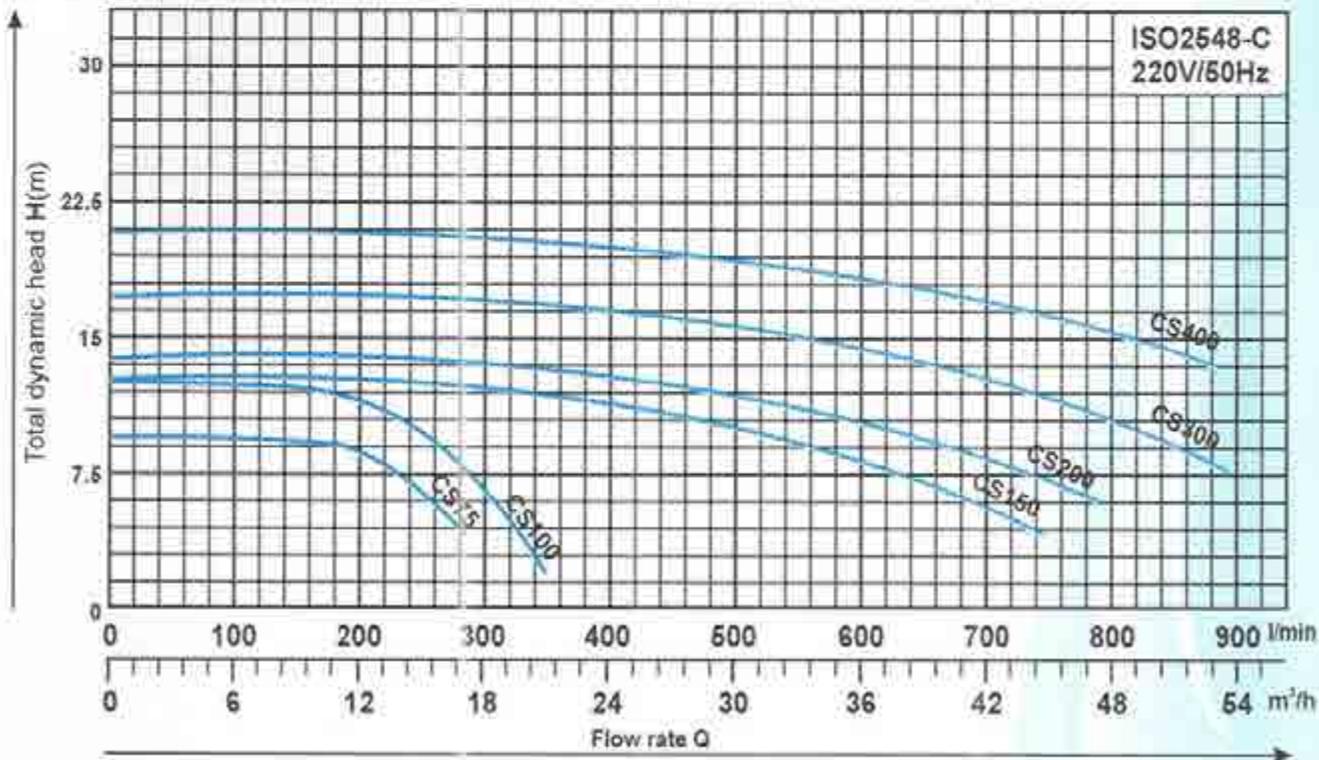
MOTOR

- Single phase power supply with capacitor permanently activated
- Insulation class : B
- Protection : Ip44.
- Speed of rotation 2850rpm
- Continuous duty : S1

SPECIAL FEATURES ON REQUEST

- Stainless steel welding shaft.
- AISI420/AISI304/AISI316 stainless steel shaft
- FPWEDM5iC/WC mechanical seal
- Other voltage and frequency.
- Internal thermal protector
- Three phase power.

PERFORMANCE CHART



PERFORMANCE DATA

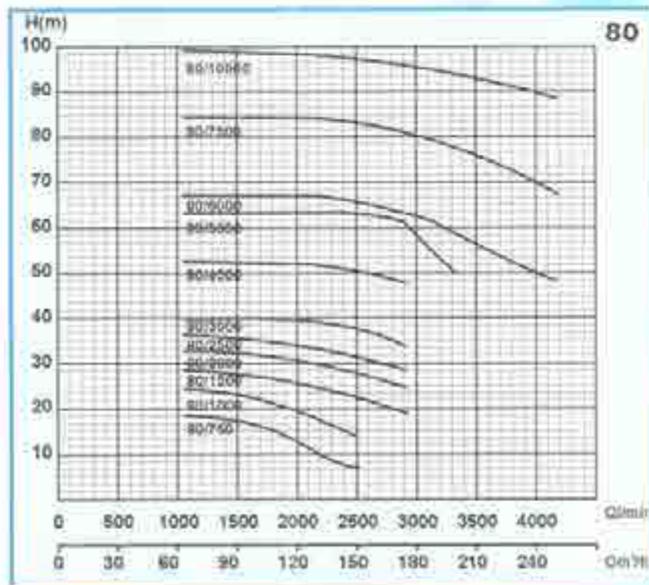
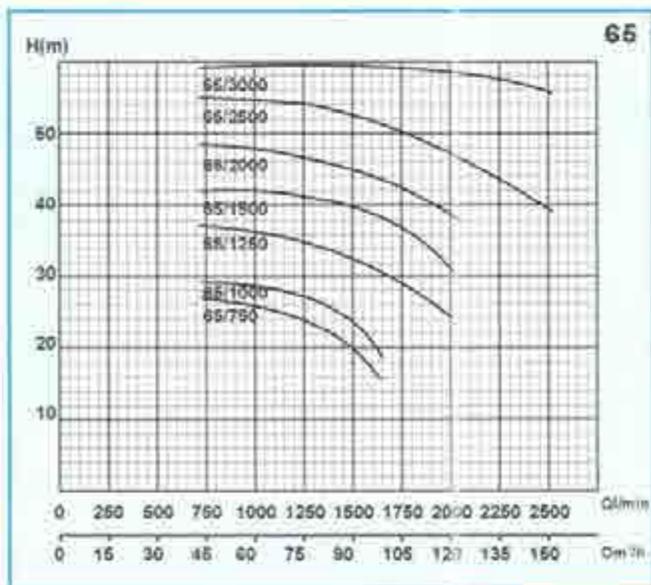
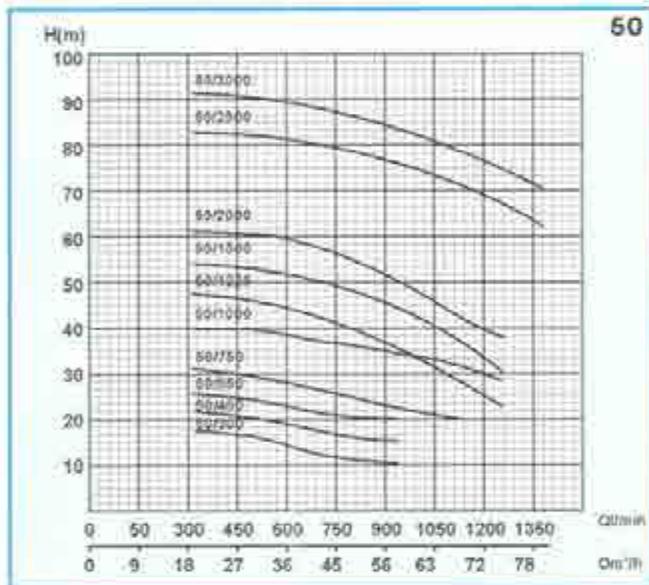
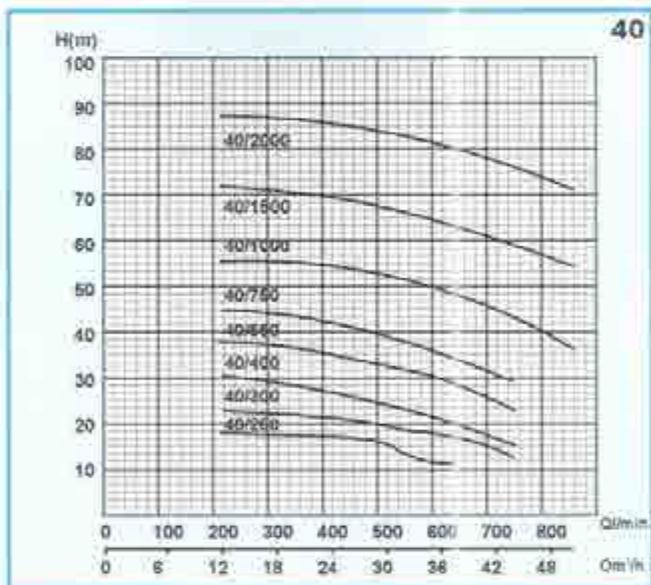
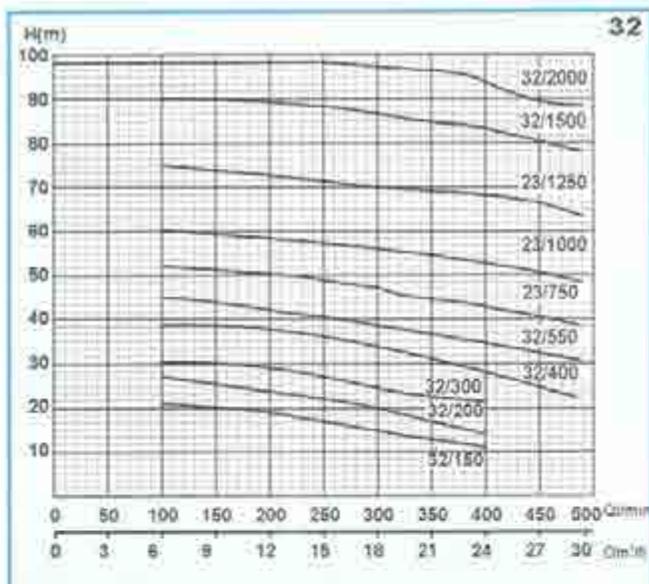
TYPE	Power		UF	-Amperes		Q l/min m³/h	Q												DINA	DNM	N.W (kg)	PACKAGE DIMENSION LxWxH (mm)		
	HP	KW		320V/50Hz	380V/50Hz		0	100	200	300	400	500	600	700	800	2'	2'	25				450	255	325
CS75	0.75	0.55	16	3.7	1.5	H (m)	9.5	9.5	8	4	-	-	-	-	-	-	-	2'	2'	25	450	255	325	
CS100	1.0	0.75	20	5.0	2.5		12.5	12.5	12	7.5	-	-	-	-	-	-	-	2'	2'	28	450	255	325	
CS150	1.5	1.1	30	6.0	3.5		13	13	13	12.5	11	10	8.5	6	-	-	-	2'	2'	30	450	255	325	
CS200	2.0	1.5	30	8.2	4.0		14	14	14	13.7	13	12	10	7.5	6	2'	2'	33	450	255	325			
CS300	3.0	2.2	45	10.2	4.8		17.5	17.5	17.5	17	16.5	15.5	14.2	13	10.5	3'	3'	35	460	265	325			
CS400	4.0	3.0	-	-	6.5		21	21	21	20.5	20	19	18	17.2	15.5	3'	3'	36	480	265	345			



SERIE / SERIES N

- Pompe monoblocco normalizzate per liquidi puliti, derivate da norme din 24255. Giranti in ghisa G/20. Supporto in ghisa. Controflange in acciaio zincato. Max pressione d'esercizio 12 bar, max temperatura liquido pompato 90°C.
- Close-coupled pumps for clean liquids at din 24255 standards. Cast iron impellers. Cast iron bracket. Zincated steel counterflanges. Max operating pressure 12 bar, max pumped liquid's temperature 90°C.

TIPO TYPE	POTENZA NOMINALE NOMINAL POWER		AMPERE ASSORBITE (1) ABSORBED AMPERE (1)		H = PREVALENZA / HEIGHT (m)	Q = PORTATA/DELIVERY																DIMENSIONI SIZES (mm)										
	HP	KW	400V-T	300V-T		6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102		120	144	168	192	240					
32/150	1,5	1,1	3,0		21	19	15	11																	50x32							
32/200	2	1,5	3,8		27	24	20	14																	55x40							
32/300	3	2,2	5,4		31	29	26	21																								
32/400	4	3	6,8		39	36	34	26	22																							
32/550	5,5	4	9,1	6,4	45	42	39	35	30																							
32/750	7,5	5,5	11,3	6,4	52	50	47	43	38																							
32/1000	10	7,5	15,3	8,9	60	58	56	53	48																							
32/1250	12,5	9,2	19,0	10,5	75	74	72	68	63																							
32/1500	15	11	24,0	13,1	90	89	87	83	78																							
32/2000	20	15	29,8	16,0	98	98	96	94	88																							
40/200	2	1,5	3,7		18	18	16	14	11																	65x50						
40/300	3	2,2	5,2		23	22	21	19	17	13																						
40/400	4	3	6,4		30	29	27	24	20	15																						
40/550	5,5	4	8,9		38	37	35	32	28	23																						
40/750	7,5	5,5	11,1	6,3	45	44	42	39	35	29																						
40/1000	10	7,5	15,0	8,8	55	55	54	52	48	43	36																					
40/1500	15	11	23,8	12,9	72	71	69	67	64	59	54																					
40/2000	20	15	31,0	15,9	87	86	85	83	80	76	71																					
50/300	3	2,2	5,1		18	17	16	14	13	11																	65x50					
50/400	4	3	6,3		22	21	20	19	17	15																						
50/550	5,5	4	8,9		26	25	24	23	22	20																						
50/750	7,5	5,5	11,1	6,5	31	30	30	28	27	24	22	20																				
50/1000	10	7,5	15,0	8,7	40	39	38	37	35	33	31	28																				
50/1250	12,5	9,2	18,8	10,3	47	46	45	43	40	35	33	28	23																			
50/1500	15	11	23,7	12,9	54	54	52	50	48	44	40	36	30																			
50/2000	20	15	29,3	15,9	61	60	59	56	54	50	47	42	38																			
50/2500	25	18,5	37,6	22,8	83	82	81	80	78	67	73	70	67	62																		
50/3000	30	22	41,7	26,0	91	90	89	88	87	84	81	78	74	70																		
65/750	7,5	5,5	11,0	6,4	25	24	24	23	23	22	21	19	16	14																	80x65	
65/1000	10	7,5	14,5	8,7	27	26	26	26	25	24	23	22	19	17																		
65/1250	12,5	9,2	18,5	10,6	34	33	33	33	32	31	30	30	28	27	22																	
65/1500	15	11	23,2	12,6	39	39	39	38	38	37	37	36	34	33	28																	
65/2000	20	15	29,0	15,6	45	45	45	44	44	44	43	42	40	39	35																	
65/2500	25	18,5	37,5	22,5	51	51	51	50	50	50	49	49	47	46	43	36																
65/3000	30	22	41,5	25,5	55	55	55	55	54	54	54	53	52	51	48	41																
80/750	7,5	5,5	11,5	6,6	20	20	19	19	18	17	16	16	13	13	15																	100x80
80/1000	10	7,5	16,5	8,9	26	25	24	24	23	22	21	20	15																			
80/1500	15	11	22,0	12,6	30	30	30	29	29	29	28	27	24	20																		
80/2000	20	15	28,0	15,6	35	35	34	34	34	33	32	29	26																			
80/2500	25	18,5	36,0	22,3	38	38	38	38	37	37	37	35	33	30																		
80/3000	30	22	41,0	25,1	42	42	42	41	41	41	40	39	38	35																		
80/4000	40	30	55,0	31,0	56	56	56	56	56	56	56	55	55	50	53																	
80/5000	50	37	66,0	39,5	66	66	66	66	66	66	66	66	65	65	63																	
80/6000	60	45	80,0	46,0	70	70	70	70	70	70	70	69	68	65	61	50																
80/7500	75	55	96,0	56,0	88	88	88	88	88	88	87	85	82	80	70																	
80/10000	100	75	135,0	78,0	104	104	104	104	104	104	104	104	103	102	99	92																





NX

TIPO TYPE	POTENZA NOMINALE NOMINAL POWER			AMPERE ASSORBITI (1) ABSORBED AMPERE (1)			U-HORIZONTALE DELIVERY																DIMENSIONI SIZES /mm									
	HP	KW	KVA	230V	400V	880V	LITRI/HR																									
							6	8	12	16	20	22	24	27	28	36	42	50	60	70	80	90		106	111	120	126	132				
NX32/150	1.5	1.1	5.0	2.9	2.9	2.9	21	18	14	12																	50x32					
NX32/200	2	1.5	5.9	3.4	3.4	3.4	28	25	19	17																						
NX32/300	3	2.2	8.3	4.8	4.8	4.8	36	32	27	25																						
NX32/400	4	3	11.8	6.8	6.8	6.8	42	38	31	28																						
NX32/500	5.5	4	15.6	9.0	9.0	9.0	54	50	44	41	38																					
NX32/750	7.5	5.5	20.0	11.8	11.8	11.8	69	65	58	56																						
NX32/1000	10	7.5	20.0	14.9	14.9	14.9	69	65	58	55	53	49	44																			
NX40/200	2	1.5	5.9	3.4	3.4	3.4	19	18	17	17	16	15	13	10	7																	
NX40/300	3	2.2	8.3	4.8	4.8	4.8	26	24	24	23	22	21	20	16	13																	
NX40/400	4	3	11.8	6.8	6.8	6.8	30	29	27	27	26	24	23	20	17																	
NX40/550	5.5	4	15.6	9.2	9.2	9.2	39	37	36	36	35	33	32	29	26																	
NX40/750	7.5	5.5	20.0	11.1	11.1	11.1	46	44	43	43	41	40	38	35	31																	
NX40/1000	10	7.5	20.0	15.1	15.1	15.1	57	56	55	55	54	53	51	48	44																	
NX40/1500	15	11	20.0	20.0	20.0	20.0	71	70	70	69	69	68	66	63	59																	
NX50/300	3	2.2	8.3	4.8	4.8	4.8	18	17	16	16	15	13	8																			
NX50/400	4	3	11.8	6.8	6.8	6.8	21	20	20	18	17	12	8																			
NX50/550	5.5	4	15.9	9.2	9.2	9.2	26	26	25	24	23	18	14																			
NX50/750	7.5	5.5	20.0	11.5	11.5	11.5	31	31	26	25	27	22	18																			
NX50/1000	10	7.5	20.0	15.5	15.5	15.5	39	38	38	36	35	30	26																			
NX50/1250	12.5	9.2	20.0	17.4	17.4	17.4	50	49	48	41	34																					
NX50/1500	15	11	22.0	22.0	22.0	22.0	56	55	54	48	42																					
NX50/2000	20	15	20.0	31.3	31.3	31.3	70	69	68	62	57																					
NX65/550	5.5	4	13.8	8.0	8.0	8.0	20	19	17	14	11	7																				
NX65/750	7.5	5.5	11.0	11.0	11.0	11.0	25	25	22	19	16	12	10																			
NX65/1000	10	7.5	14.9	14.9	14.9	14.9	31	30	27	25	21	17	15	14																		
NX65/1000	10	7.5	14.9	14.9	14.9	14.9	30	27	26	22	18	16	15																			
NX65/1250	12.5	9.2	20.8	20.8	20.8	20.8	35	32	30	26	22	20	19	17																		
NX65/1500	15	11	27.0	27.0	27.0	27.0	39	36	34	31	26	23	22	20																		
NX65/1500	15	11	27.0	27.0	27.0	27.0	46	43	41	38	34	32	31	29	27																	
NX65/2000	20	15	30.5	30.5	30.5	30.5	51	48	46	41	36	34	32	30																		
NX65/2000	20	15	30.5	30.5	30.5	30.5	59	56	53	49	44	43	41	39	37																	
NX65/2500	25	18.5	36.9	36.9	36.9	36.9	66	63	61	57	52	51	49	47	45																	
NX65/3000	30	22	40.8	40.8	40.8	40.8																										

PREVALENZA / HEIGHT (m) H



NX

- Elettropompe centrifughe monoblocco costruite secondo norme EN 733 (ex DIN 24255), con corpo pompa in acciaio inox Aisi 304 o, a richiesta, Aisi 316L. Pressione massima esercizio 10bar, temperatura del liquido da - 20 C a + 110 C. Il medesimo corpo pompa viene proposto in tre versioni:

NX = monoblocco con albero prolungato (quindi speciale)

PX = kit senza elettromotore, ma con speciale supporto in ghisa per l'applicazione di un motore standard

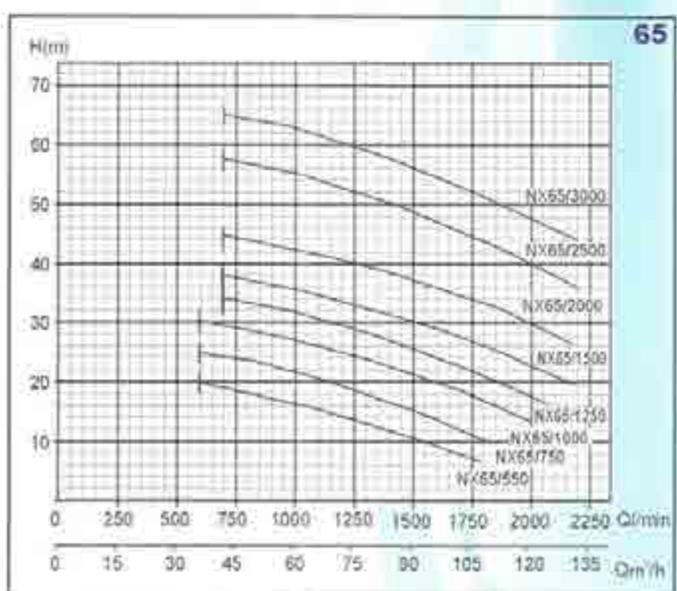
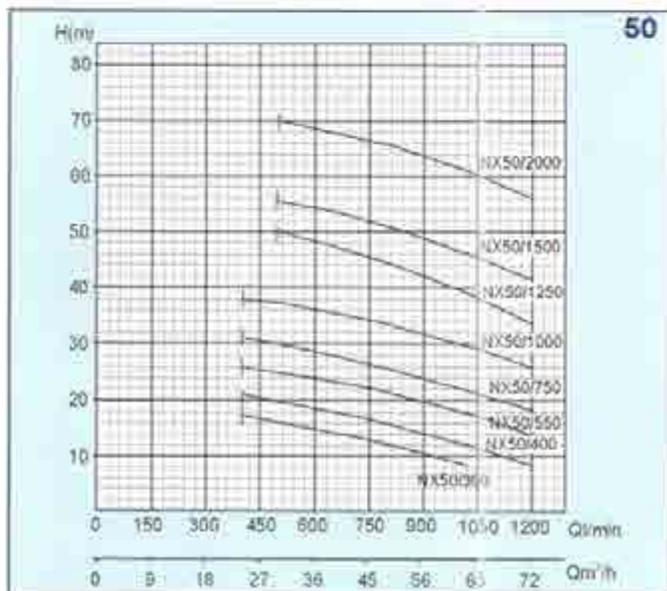
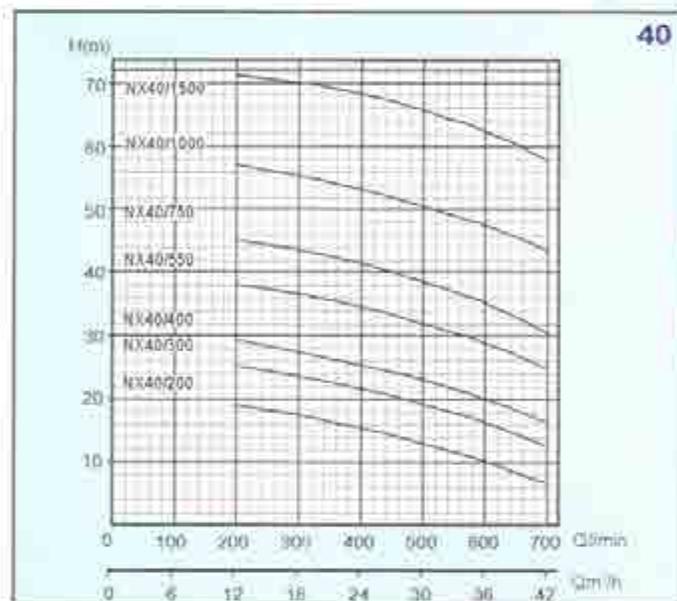
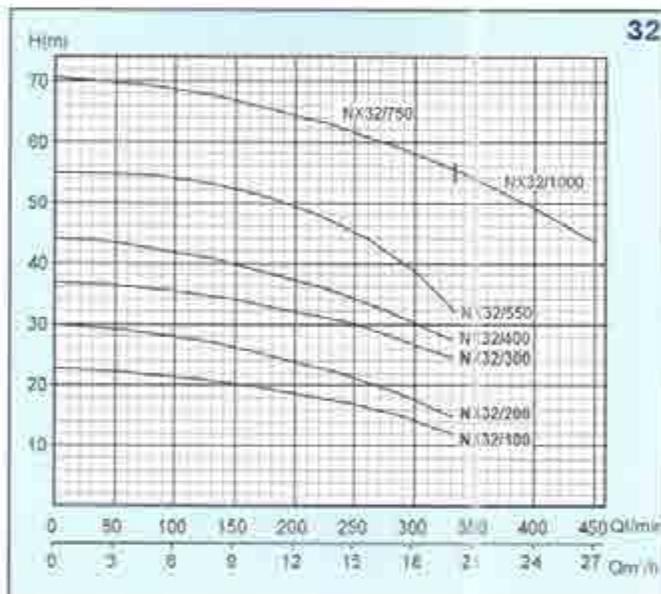
S = monoblocco composto dal kit [PX] e da un motore standard

- Centrifugal monoblock electric pumps made according to EN 733 (ex DIN 24255), having a casing in stainless steel Aisi 304 or, at request, in Aisi 316L. Max operating pressure 10bar, liquid temperature from - 20 C till + 110 C. The same pumpend is offered in 3 executions.

NX = monoblock with extended shaft (then special motor)

PX = bareshaft only (pumpend with special cast iron bracket suitable for coupling with standard motor)

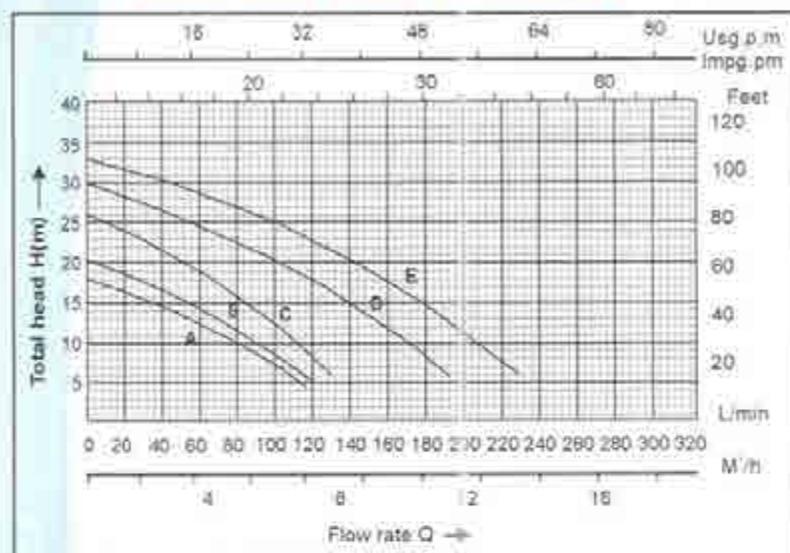
S = monoblock composed by bareshaft kit (PX) + standard motor



INTER PUMP

CENTRIFUGAL PUMPS

HCT → PERFORMANCE CHART AT n=2850RPM



HCT-18S / HCT-20S / HCT-26S



HCT-30S / HCT-33S

NO.	TYPE	POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	INLET/OUTLET (inch)	MAX.SUCT (M)	N.W (Kg)	PACKING DIMENSION (mm)
		Kw	Hp						
A	HCT-18S	0.37	0.5	140	18	1.4"x1"	9	8.5	340x235x265
B	HCT-20S	0.55	0.75	145	20	1.4"x1"	9	9.5	340x235x265
C	HCT-26S	0.75	1	150	26	1.4"x1"	9	10	340x235x265
D	HCT-30S	1.1	1.5	215	30	1.4"x1"	9	16	370x240x265
E	HCT-33S	1.5	2	250	33	1.4"x1"	9	16.5	370x240x265

HMC-VE/VF

Operating conditions

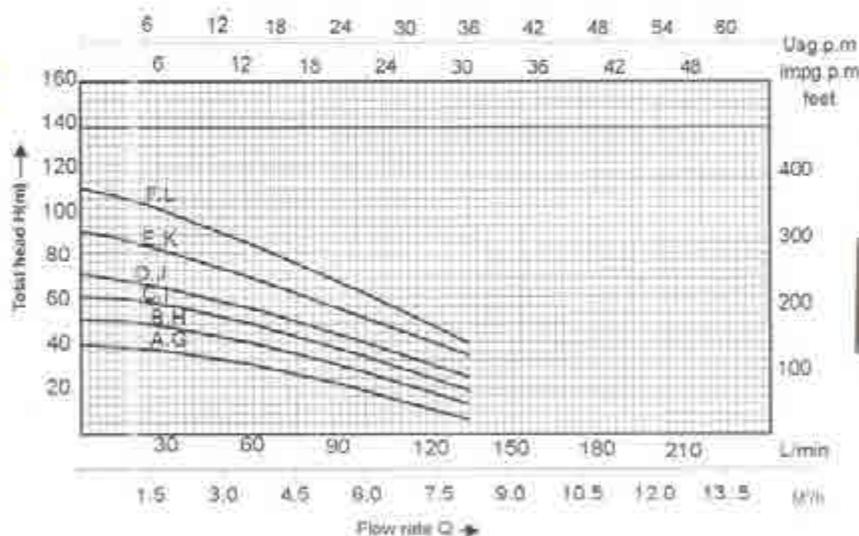
- * Liquid temperature up to 80 c
- * Ambient temperature up to 40 c
- * Total suction lift up to 9 mt
- * Continuous duty

Motor

- * Low-pole induction motor (n=2850r.p.m)
- * Insulation Class B
- * Protection IP 44

Material

- * Pump body: Cast iron/stainless steel
- * Pump support: cast iron
- * Motor housing: Aluminum
- * Impeller: PPO A/SI304 if request
- * Shaft with rotor: A/SI416 SS, A/SI304 if request
- * Mechanical seal: Carbon/Ceramic



HMC-VE/VF

NO.	TYBE	POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	INLET/OUTLET (inch)	MAX.SUCT (M)	N.W (Kg)	PACKING DIMENSION (mm)
		(Kw)	(Hp)						
H	HMC-4VF	1.5	2	170	52	1.5"x1"	9	20	215 x 165 x 489
I	HMC-5VF	1.8	2.5	180	63	1.5"x1"	9	22	215 x 165 x 524
J	HMC-6VF	2.2	3	190	73	1.5"x1"	9	25	215 x 165 x 569
K	HMC-8VF	3	4	200	92	1.5"x1"	9	29	215 x 165 x 649
L	HMC-10VF	3.7	5	210	111	1.5"x1"	9	34	215 x 165 x 739

SUBMERSIBLE SEWAGE PUMPS



HFC-550 / HFC-750



HFC-900 / HFC-1100



HFC-1500 / HFC-2200

Application

Filter centrifugal pumps are designed for cleaning swimming pool. They are suitable to transfer high volumes of water (not exceeding 40°C) against low head.

Motor

*Two-pole induction motor (n=2850r.p.m)

*Insulation Class F

*Protection Ip54

Material

*Pump body: Techno-polymer

*Motor housing: Aluminium

*Impeller: Techno-polymer

*Shaft with rotor: AISI 416 stainless steel

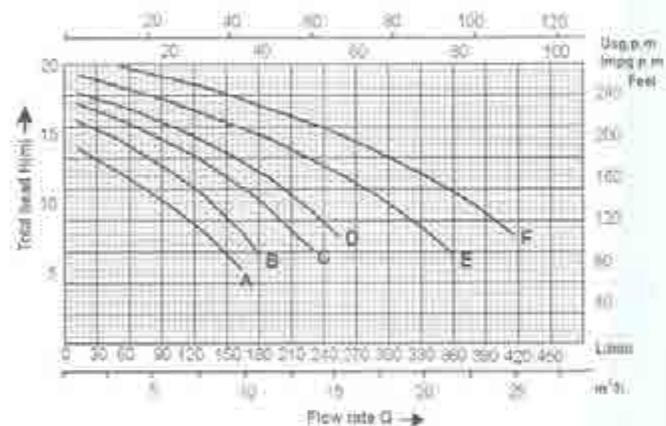
*Mechanical seal: Carbon/Ceramic

single phase 220V-240V/50Hz

single phase 110V-127V/50Hz

single three phase 220V/60Hz

HW(D) → PERFORMANCE CHART AT n=2850RPM

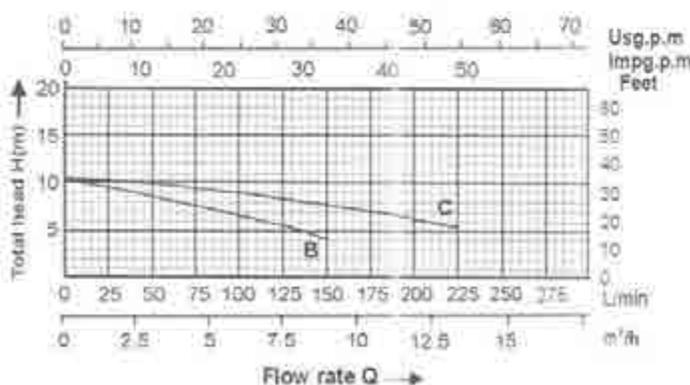


NO.	TYPE	POWER		MAX.FLOW (L/min)	MAX.HEAD (M)	INLET/OUTLET (Inch)	MAX.SUCT (M)	N.W (Kg)	PACKING DIMENSION (mm)
		Kw	Hp						
A	HFC-550	0.66	0.76	220	14	1 1/2" X 1 1/2"	9	9	390x180x235
B	HFC-750	0.75	1	220	16	1 1/2" X 1 1/2"	9	10.5	390x180x235
C	HFC-900	0.9	1.2	220	17	1 1/2" X 1 1/2"	9	11	520x215x300
D	HFC-1100	1.1	1.5	330	18	1 1/2" X 1 1/2"	9	14	520x215x300
E	HFC-1500	1.5	2	440	19	2" X 2"	9	19	580x235x335
F	HFC-2200	2	3	510	20	2" X 2"	9	20.3	580x235x335

Application

Cold and hot sea water cycle pump for all kinds of and fresh and sea water farmig, as well as the cycle system in swimming pools.

HSPA → PERFORMANCE CHART AT n=2850RPM



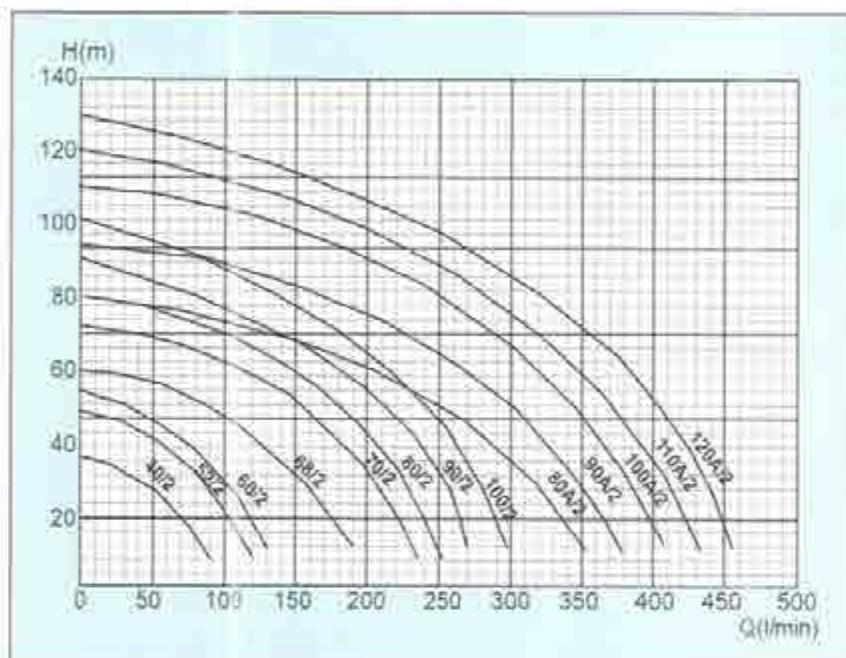
NO.	TYPE	POWER		MAX FLOW (L/min)	MAX HEAD (M)	INLET/OUTLET (Inch)	N.W (Kg)	PACKING DIMENSION (mm)
		Kw	Hp					
B	HSPA-370	0.37	0.5	150	10	1 1/2" X 1 1/2"	4.5	320x170x200
C	HSPA-550	0.55	0.75	250	10	1 1/2" X 1 1/2"	5.5	320x170x200

INTER PUMP

This series are with tow back to baek impellers, It is use for high head values but if hard to reach with single impeeller centrifugal pumps. Suitable for civil and industrial uses to pump clean water and chemically non-aggressive liquid, particularly by used for increasing the supply pressure, feeding boilers and loading extremly. These pumps should by installed in a covered area, protected against the wweather.



The normal power standard is 220V 50Hz single phase, Three phase 220/380V/50Hz, 220/440V/60Hz, single phase 230V, 240V, 127V, 100, 115V/60Hz models are available on request.
Double Impeller
Higher Pressure



Type	Power		Amperes		R.P.M	Q.Max (l/min)	H.Max (m)	S.Head (m)	Pipe Dia	N.W (Kg)
	HP	KW	1 220V	3 380V						
40/2	1	0.75	5	1.8	2850	100	35	9	1" x 1"	18.8
52/2	1.5	1.1	7.5	2.7	2850	130	48	9	1 1/4" x 1"	23.5
60/2	2	1.5	9.8	3.5	2850	140	52	9	1 1/4" x 1"	24.5
68/2	3	2.2	13.6	5	2850	200	60	9	1 1/2" x 1 1/4"	31.0
70/2	4	3	17.2	7.2	2850	240	70	9	1 1/2" x 1 1/4"	39.0
80/2	5.5	4	23.3	9.3	2850	260	84	9	1 1/2" x 1 1/4"	42.0
90/2	7.5	5.5	31.1	14.1	2850	280	90	9	2" x 1 1/4"	62.0
100/2	10	7.5	40.0	15.0	2850	300	105	9	2" x 1 1/4"	62.0
80A/2	10	7.5	40.0	15.0	2850	360	80	9	2" x 1 1/4"	68.0
90A/2	12.5	9	49.0	19.0	2850	380	95	9	2" x 1 1/4"	82.0
100A/2	15	11	58.8	21.8	2850	420	110	9	2" x 1 1/4"	85.0
110A/2	17.5	13	68.3	25.3	2850	440	120	9	2" x 1 1/2"	110.0
120A/2	20	15	80.5	30.5	2850	460	130	9	2" x 1 1/2"	120.0

Series Single-stage Suction Centrifugal Pumps



DIN24255

DESCRIPTION

Application standard: DIN24255

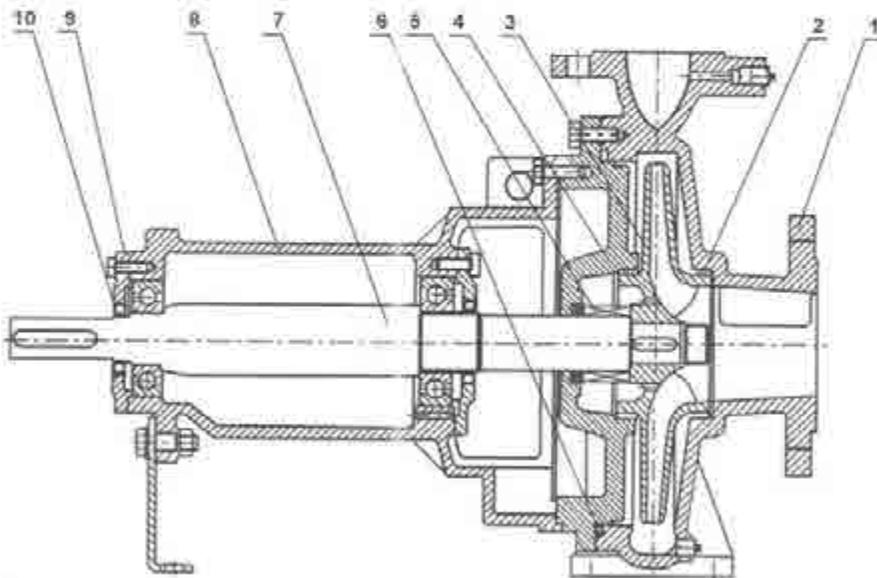
Type **XA** pumps are used for pumping clean water or liquids which characteristic of chemical and physical is similar to water. They are suitable for plants, mine, city water supply, air-condition, firefight system and irrigation.

For a pump of same model, the performance can be changed by cutting their outer diameter of impeller (which is indicated as the letter **A, B or C**, at the end of model name).

Type XA pumps is simple in structure, reliable in performance, small in size, light in weight, high in suction lift, low in power consumption and easy in maintenance.

CONSTRUCTION DETAILS

- The pump is back-pull-out design, which allows disassembling the casing cover and rotary components without removing the pipeworks. The mounting frame is supplied with two ball bearings, lubricated by grease or engine oil.
- The motor drives the pump through the flexibly coupling directly
- The suction and discharge flange, the casing and pump foot are all cast to a whole.
- The volute casing, impeller and the volute casing cover are all made of cast iron, the shaft is made of high tensile steel. The sealing box is sealed by means of soft-packed or mechanical seal, the shaft sleeve is made of stainless steel, the support foot, which is an auxiliary frame to the mounting frame is, made of carbon steel.

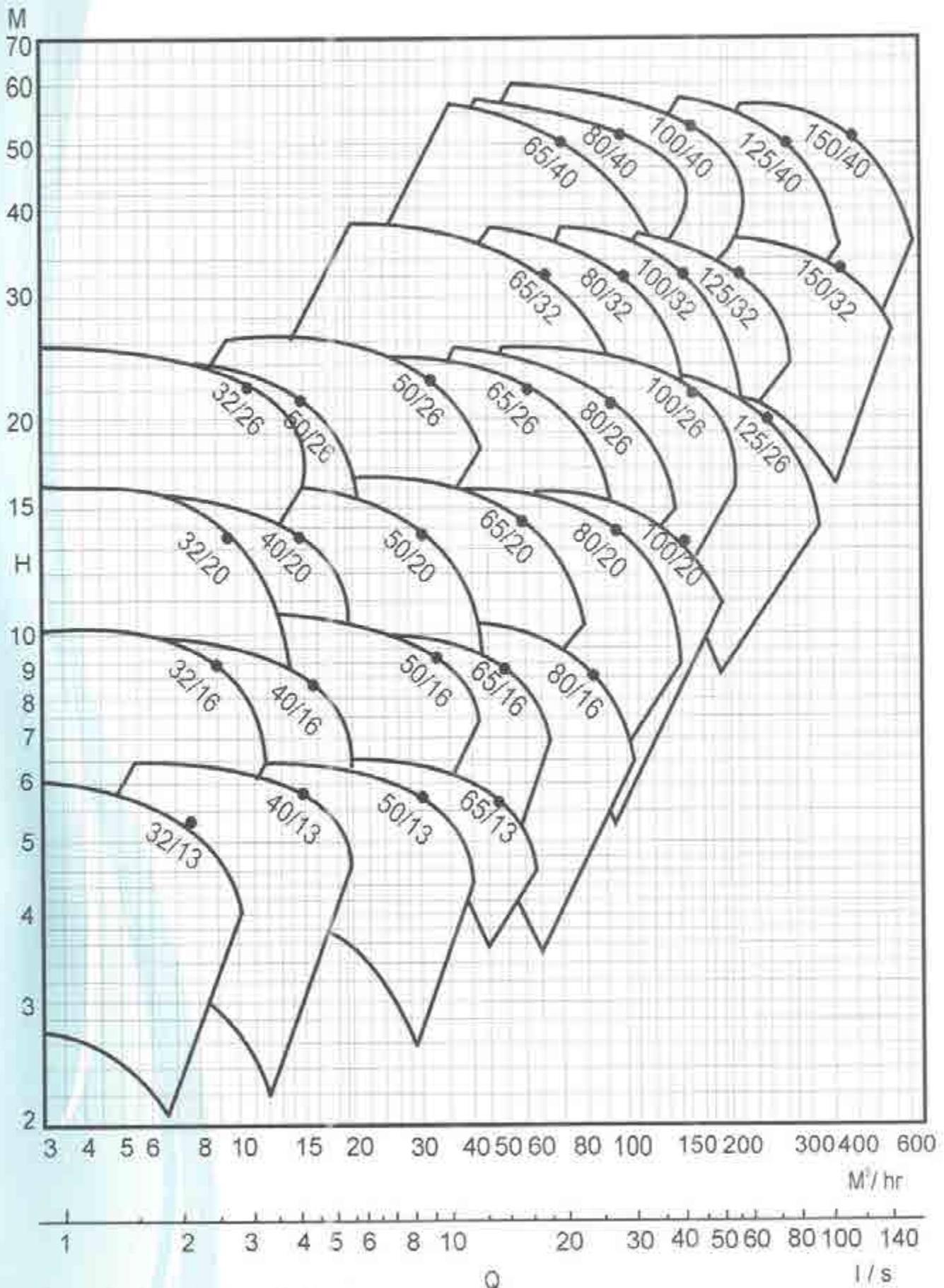


No	Name	Material	Code/AISI/ASTM
1	Casing	Cast Iron Ht200	ASTM25B
2	Wear ring	Cast Iron Ht200	ASTM25B
3	Impeller	Cast Iron Ht200	ASTM25B
4	Casing cover	Cast Iron Ht200	ASTM25B
5	Mechanical seal or gland packing uncooled		

No	Name	Material	Code/AISI/ASTM
6	O ring	NBR	
7	Shaft	SS 2Cr13	AISI420
8	Bearing housing	Cast Iron Ht200	ASTM25B
9	Bearing cover	Cast Iron Ht200	ASTM25B
10	Seal	NBR	

Characteristic Curves

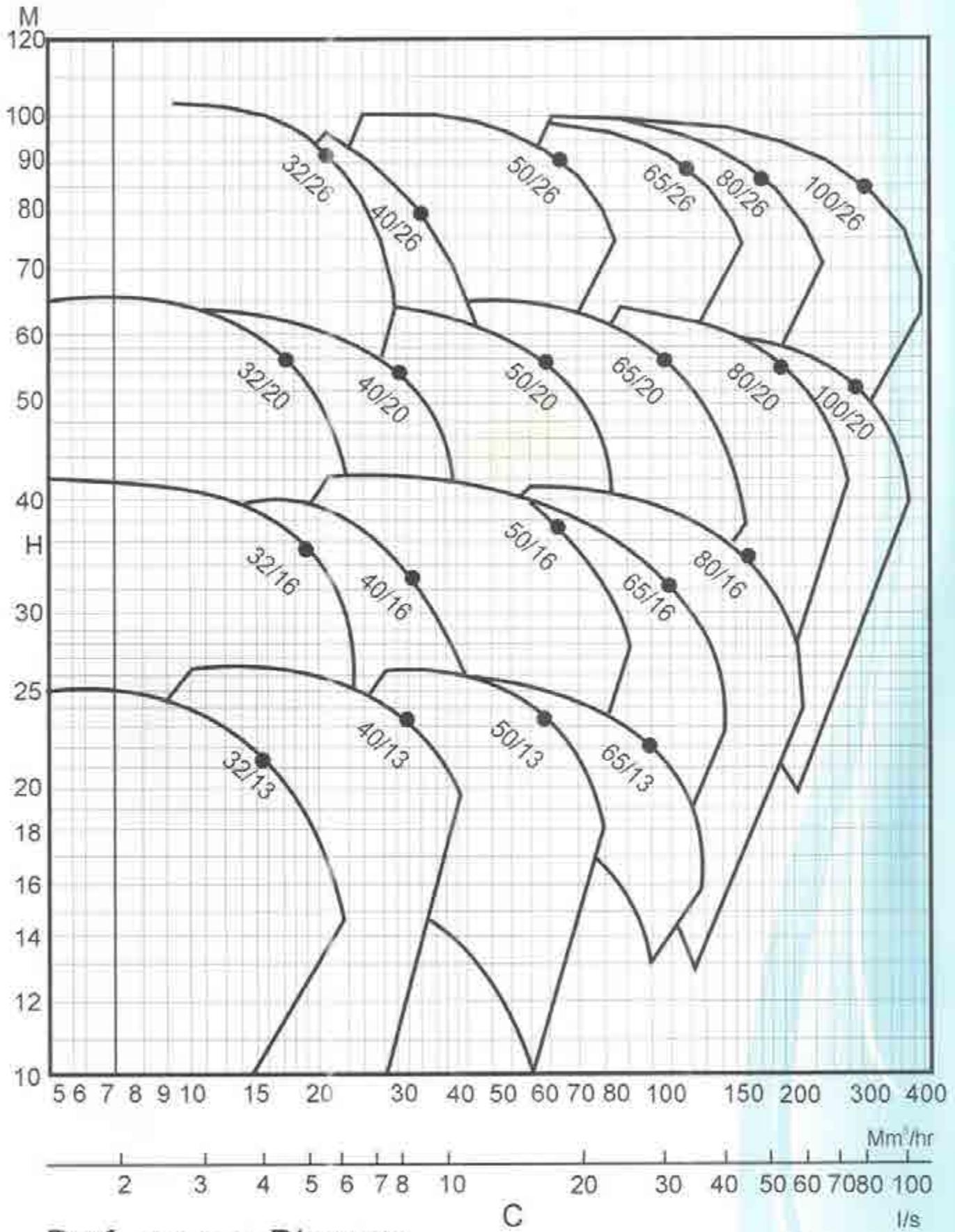
$n=1450 \text{ 1/min}$



Performance Diagram

Characteristic Curves

$n=2900$ 1 / min



Performance Diagram

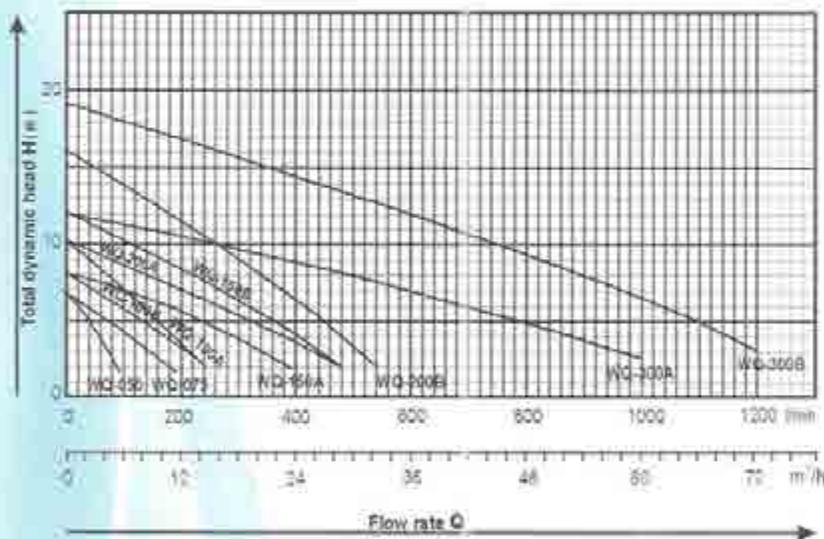
Submersible Pump



WQ series submersible sewage pump is mainly comprised of three parts: pump, mechanical seals and motor. Pump is at the lower of sewage pump, and the structure is impeller and shell. Motor located at the upper part of the motor pump, which is the single phase or three-phase electric motor. Mechanical seals are between pump and motor and it is a kind of double and mechanical seals, "O" rings are applied in all static joints of the submersible pump.

- Pump body: Cast iron
- Impeller: Cast iron
- Motor: Closed, externally ventilated
- Insulation class: B (Class F if required)
- Duty: Continuously rated
- Mechanical seal: $\phi 12$, $\phi 16$ ceramic steatite/metalized carbon

PERFORMANCE CHART AT n=2850/min



The normal power standard is 220V 50Hz single phase
 Three phase 220/380V/50Hz, 220/440V/60Hz,
 Single phase 230V, 240V, 127V, 110V, 115V/60Hz
 models are available on request.

PERFORMANCE DATA

TYPE	Power		Ampere		R.P.M	Q.Max (l/min)	H.Max (m)	Pipe Dia	LxWxH (mm)	N.W (kg)
	HP	KW	1~220V	3~380V						
WQ-060	0.5	0.37	2.7	-	2850	100	6.5	1"	360X300X480	20.3
WQ-075	0.75	0.55	3.6	-		200	6.5	1 1/4"		27
WQ-100A	1	0.75	4.6	-		250	10	1 1/2"		28.2
WQ-100B	1	0.75	4.6	-		250	8		28.2	
WQ-150A/T	1.5	1.1	7.6	2.7		400	8	2"	29.1	
WQ-150B/T	1.5	1.1	7.6	2.7		480	12		29.1	
WQ-200A/T	2	1.5	9.6	3.8		480	10	2 1/2"	20.2	
WQ-200B/T	2	1.5	9.6	3.8		540	16		30.2	
WQ-300A/T	3	2.2	13.5	6.0		1000	12		3"	31.5
WQ-300B/T	3	2.2	13.5	6.0		1200	19	31.5		

Application

Submersible sewage pumps widely used in agriculture, architecture, mine, environment protection and industry, such as drainage slurry, waste water, which contained short fibre, long fibre, wastepaper, sand and so on, it is also an ideal equipment for irrigation.

Operating conditions

- *The maximum deep it is allowed in water is 5m from its center of impeller;
- *Max. Medium temperature +40 C;
- *Trans medium's PH:4-10;
- *Kinematics viscosity of the trans medium is: $7 \times 10^{-2} - 23 \times 10^{-2} \text{ m}^2/\text{s}$;
- *Density of the trans medium limit: $1.2 \times 10^3 \text{ kg/m}^3$;
- *The solid diameter is about 30-40mm.

Motor

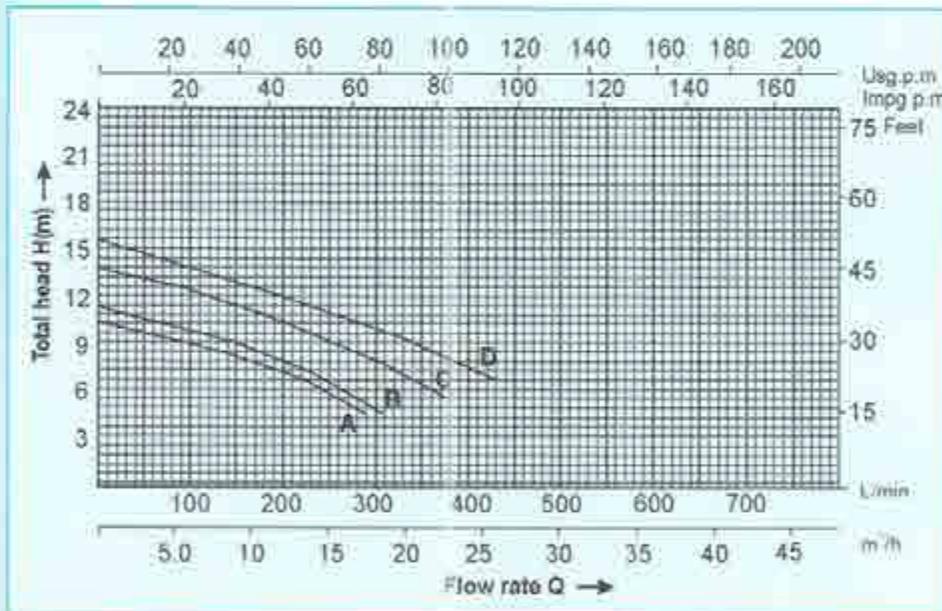
- *Closed, externally ventilated
- *Insulation Class F
- *Protection Ip68

Material

- *Pump body: Cast iron
- *Impeller: Cast iron
- *Shaft with rotor: AISI 416 stainless steel
- *Mechanical seal: Stainless steel /Carbon-ceramic
- *Thermal protector
- *Motor housing: Stainless steel
- *Cable: 8 meters
- *Euro-plug

- Single phase 220V-230V/50Hz
- Three phase 380V/60Hz
- Three phase 220V/440V/60Hz

HVT-F → PERFORMANCE CHART AT n=2850RPM



HVT-F

NO.	TYPE	POWER		VOLT (V)	FREQ (Hz)	MAX.FLOW (L/min)	MAX HEAD (M)	OUTLET Inch (mm)	N.W (Kg)	PACKING DIMENSION (mm)
		Kw	Hp							
A	HVT-750	0.75	1	220	50	333	9.5	2"(50)	16.5	249X165X430
B	HVT-1100	1.1	1.5	220	50	367	10.5	2"(50)	17.5	249X165X440
C	HVT-1500	1.5	2	220	50	450	13.5	2"(50)	19.1	249X165X460
D	HVT-2200	2.2	3	220	50	517	15.5	2"(50)	20.9	249X165X480

H1150F~H1550F

Cutting system submersible sewage pumps



Application

Submersible sewage pumps widely used in agriculture, architecture, mine, environment protection and industry, such as drainage slurry, waste water, which contained short fibre, long fiber, wastepaper, sand and so on, it is also an ideal equipment for irrigation.

Motor

*Two-pole induction motor(n=2850r.p.m)

†Insulation ClassB

*ProtectionIP68

*Continuous service S1

*Thermal protector for single phase

†Single-phase 220V/50Hz, 60Hz if request

Three-phase 380V/50Hz, 60Hz if request.

Operating conditions

*5m maximum immersion depth

*Liquid temperature up to 35 °C

* Maximum ambient temperature 40C



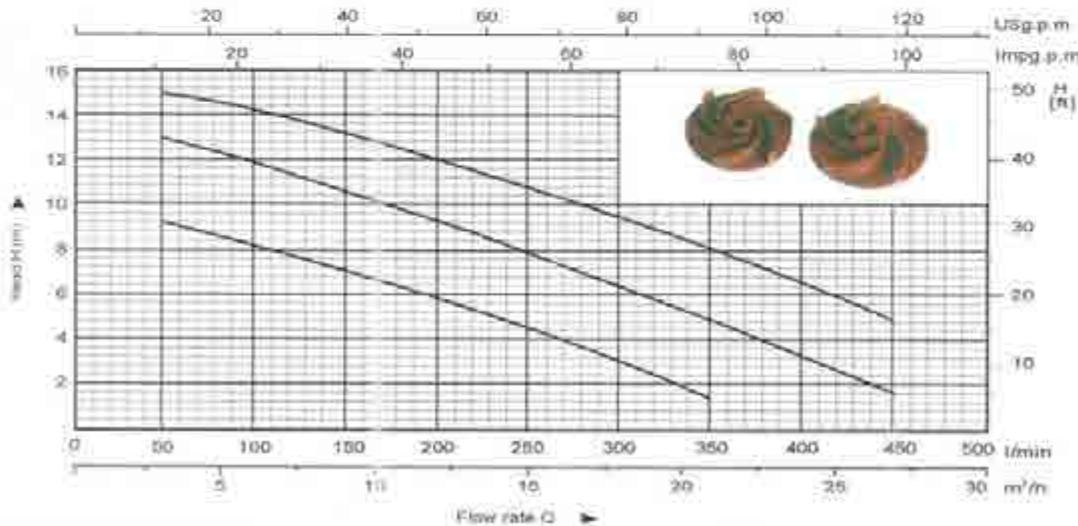
Component Construction

* Pump body:	Cast Iron
* Motor housing:	AISI304 SS
* Impeller:	superior steel
* Motor shaft:	Carbon steel AISI420/304 SS if request
Mechanical seal:	SiC-SiC/Ceramic-Graphite
* Cable:	8m long power cable with plug

Certifications

ISO9001  RoHS 

PERFORMANCE CHART AT n=2850RPM



NO	MODEL	POWER		Q (m³/h)	Q (l/min)	3	5	6	9	12	15	18	21	24	27
		KW	HP			0	50	100	150	200	250	300	350	400	450
A	H1150F	1.15	1.6	H	10	9.3	8.3	7.2	6	4.5	3	1.5			
B	H1300F	5.3	7.2		14	13	11.6	10.6	9.2	6	6.5	6	5.5	1.5	
C	H1550F	1.55	2.1		15.6	15	14.1	13.2	12.2	11	9.5	8	6.5	5	

NO	MODEL	OUTLET (inch)	PARTICULAR (-) (mm)	BEARING (RZ)	N.W (Kg)	LXWXH (mm)
A	H1150F	2	8	5202/6004	21.5	280X230X520
B	H1300F	2	8	6202/6004	25	280X230X555
C	H1550F	2	8	6302/6004	32.5	330X280X555



Inter Pump

