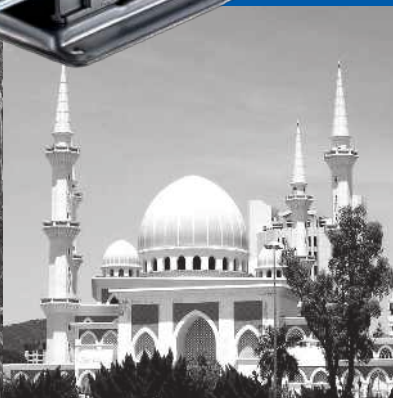
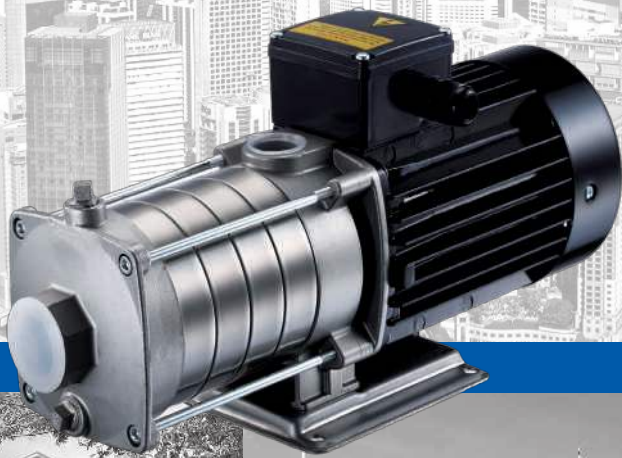


# Horizontal Multistage Centrifugal Pump

JHC 2,4,8,12 Series

JHS 2,4 Series 50Hz





## Type Key

**JHC 2 - 20**

J-series

Pump Type

H : Horizontal

Pump material

JHC : Cast iron  
(Discharge & Suction)  
JHS : Stainless steel 304

Stages times 10

20: 2 stages

30: 3 stages

40: 4 stages

50: 5 stages

60: 6 stages

(The stages are not applicable to 8,12)

Delivery (m<sup>3</sup> /h)

2 : 2 m<sup>3</sup> /h

4 : 4 m<sup>3</sup> /h

8 : 8 m<sup>3</sup> /h

12 :12 m<sup>3</sup> /h

## Application

- \* Domestic
- \* Light industry and farming
- \* Pressure boosting
- \* Air-conditioning systems
- \* Cooling systems or cooling machine
- \* Specialized OEM equipment

## Feature

- \* Reliability
- \* Compact Form
- \* Wide Range
- \* High Efficiency
- \* Easy Maintenance

## Pump

The JHC and JHS series are non-self priming, horizontal multistage centrifugal pumps. Pump is coupled with motor at the same shaft and mounted on a base-plate. The friendly design makes the pump suitable for installation in the small domestic or industrial water supply systems. The pump is fitted with a mechanical seal and through-going pump-motor shaft.

JHC : The discharge and suction chamber are made of cast iron. But it is coated with electrophoresis paint which could withstand the corrosion of minimum seven (7) years. The other parts of pump stainless steel.

JHS : All parts of pump in contact with the liquid are made of stainless steel 304.

EPDM O-ring is standard. Viton for option.

## Motor

The pump is fitted with a totally enclosed, fan-cooled, squirrel-cage motor.

Standard Motor	: IE1 (IE2 is available upon requested)
Rated speed	: 2900rpm/50Hz
Enclosure Class	: IP 55
Insulation Class	: F
Standard Voltages	: 1x220~240 V,50Hz, 3x220~240 Δ /380~415Y V, 50Hz

## Mechanical seals

List of Materials	
Q	Silicon carbide
B	Carbon
U	Tungsten carbide
E	EPDM
V	Viton
C	Seal Type (general use)
H	Seal Type (machine tool use)

\* Spring is SS 316.

## Operating conditions

Liquid: Clean liquid without solid particles.

Liquid temperature range: 0°C~+90°C

Maximum ambient temperature: +50°C

The maximum operating pressure depends on the temperature of the pumped liquid, see table:

Max. operating pressure	10 kg/cm <sup>2</sup>	6 kg/cm <sup>2</sup>
JHC/JHS-2, 4 Series	0°C~+40°C	+41°C~+90°C
JHC-8, 12 Series	0°C~+55°C	+56°C~+90°C

Min. inlet pressure: According to the NPSH curve + a safety margin of 0.5m.

Max. inlet pressure: Limited by the max. operating pressure.

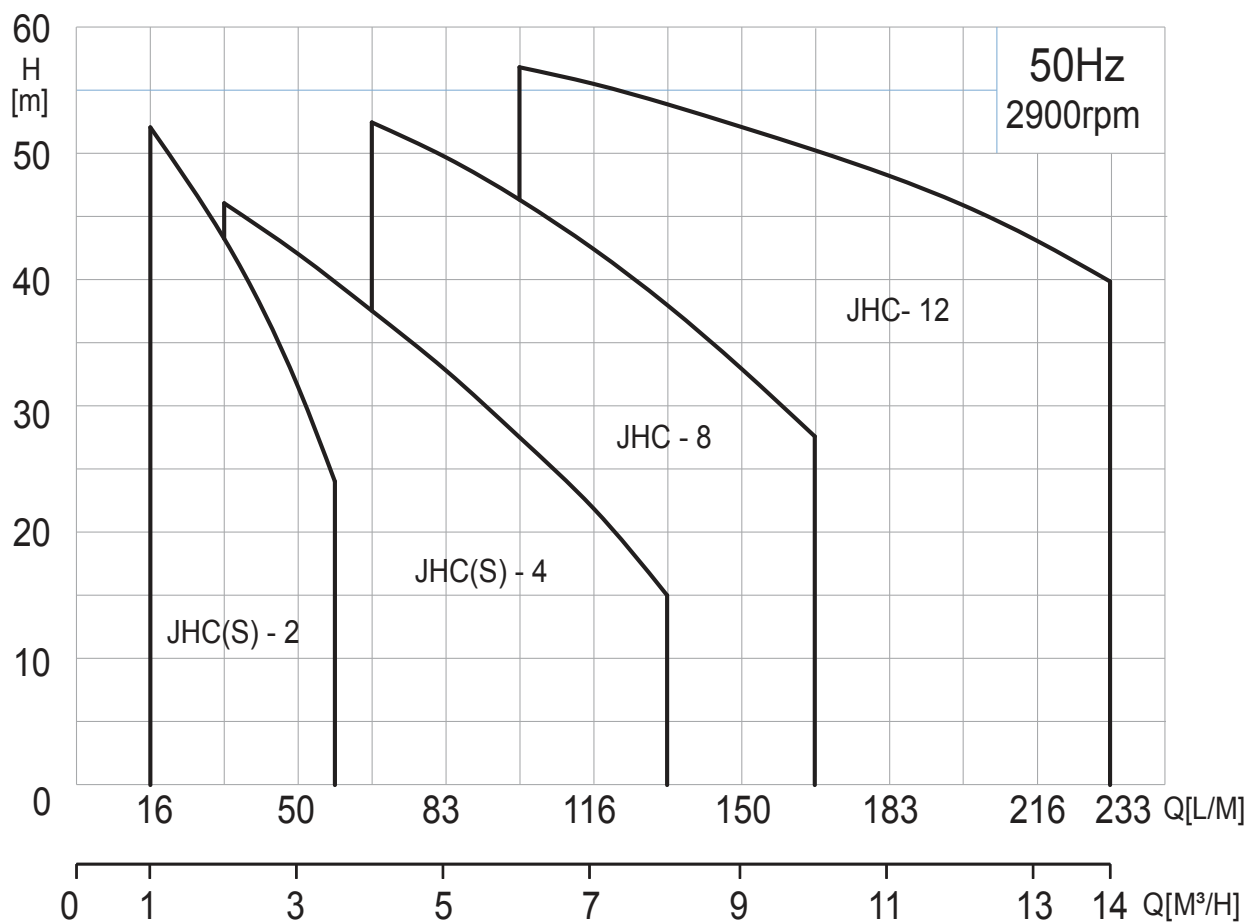
## Pipe connections

Connections	JHC(S) - 2	JHC(S) - 4	JHC - 8	JHC - 12
Suction port	1" (25mm)	1 1/4"(32mm)	1 1/2"(40mm)	1 1/2"(40mm)
Discharge port	1" (25mm)	1" (25mm)	1 1/4"(32mm)	1 1/2"(40mm)
Drain hole, priming hole	3/8" (10mm)	3/8" (10mm)	1/2" (40mm)	1/2" (12mm)

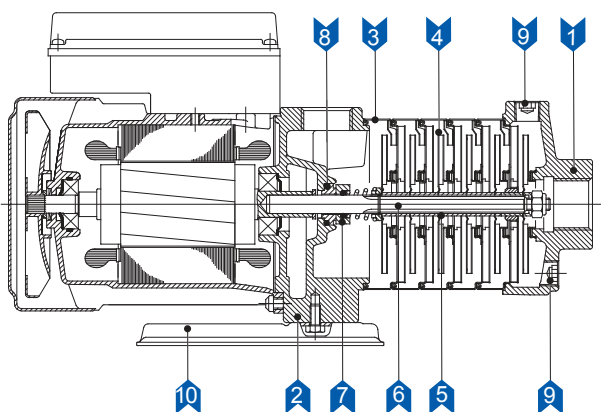
Mechanical Seals	JHC/JHS
CQB	•
CQQ	Optional
HUU	Optional
O-rings	
E	•
V	Optional

• Standard

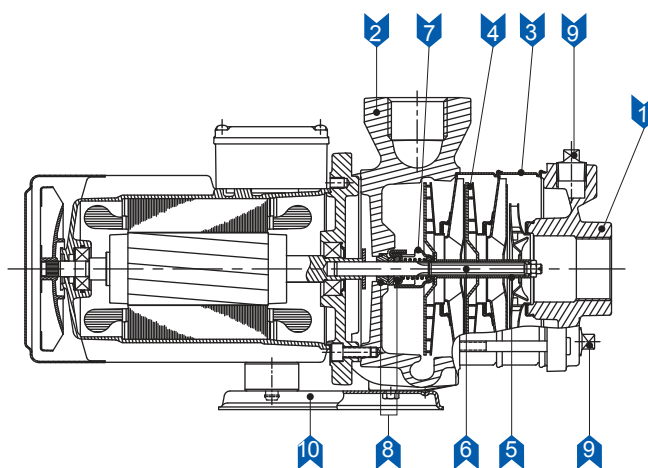
Performance Range



## Construction & Material



JHC(S) - 2 , 4 Series



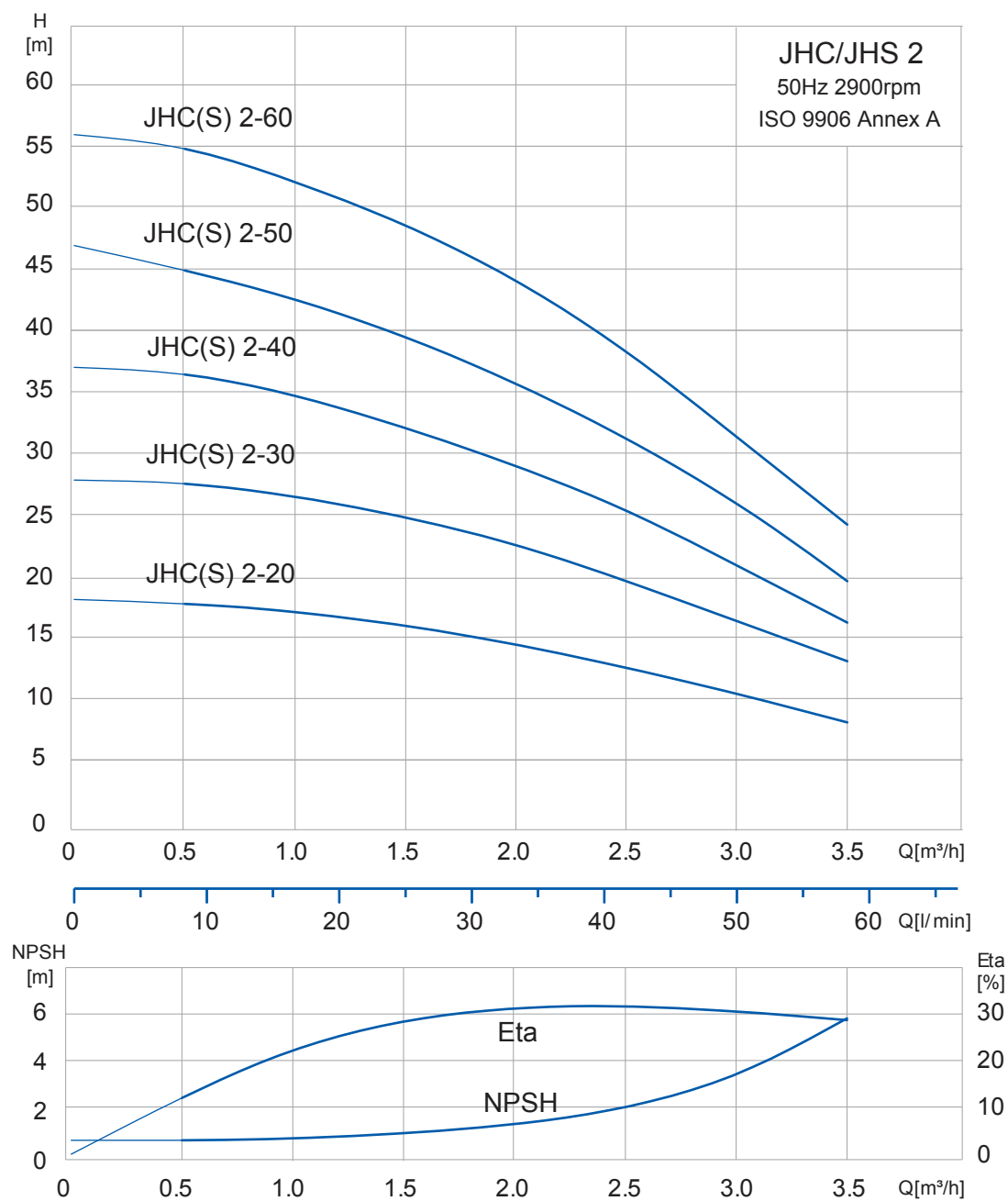
JHC - 8 , 12 Series

		Materials	
No.	Description	JHC	JHS
1	Suction chamber	Cast iron	SS304
2	Pump head	Cast iron	SS304
3	Intermediate chamber	SS304	SS304
4	Impeller	SS304	SS304
5	Spacing pipe	SS304	SS304
6	Shaft	SS431	SS431
7	Mechanical seal	Silicon carbide/Carbon	Silicon carbide/Carbon
8	O-ring	EPDM	EPDM
9	Drain and priming plug	Steel	SS304
10	Base plate	Steel	SS304



# Performance Curve

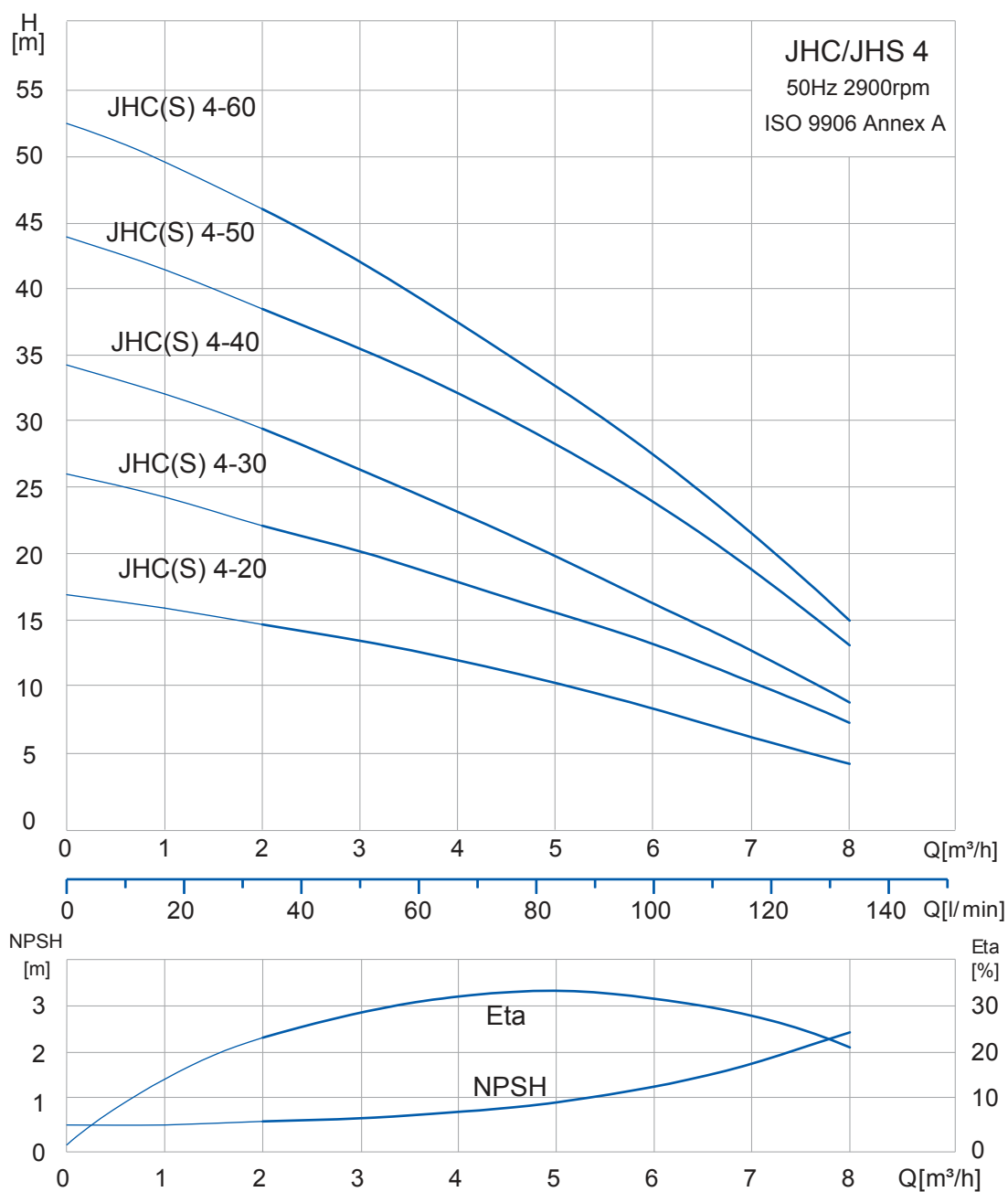
# JHC, JHS 2



Electrical data, 2900 min <sup>-1</sup>						
Pump Type	1 X 220-240 V			3 X 220-240Δ / 380-415 V		
	P2(HP)	P2(KW)	I 1/1(A)	P2(HP)	P2(KW)	I 1/1(A)
JHC/JHS 2 - 20	0.5	0.37	1.7-2.0	0.5	0.37	2.2-2.6 / 1.3-1.5
JHC/JHS 2 - 30	0.5	0.37	2.1-2.2	0.5	0.37	2.2-2.5 / 1.3-1.45
JHC/JHS 2 - 40	0.5	0.37	2.7-2.8	0.5	0.37	2.4-2.8 / 1.4-1.6
JHC/JHS 2 - 50	0.75	0.55	3.2-3.1	0.75	0.55	2.5-2.9 / 1.45-1.7
JHC/JHS 2 - 60	0.75	0.55	3.7-3.6	0.75	0.55	2.9-3.3 / 1.7-1.9

# Performance Curve

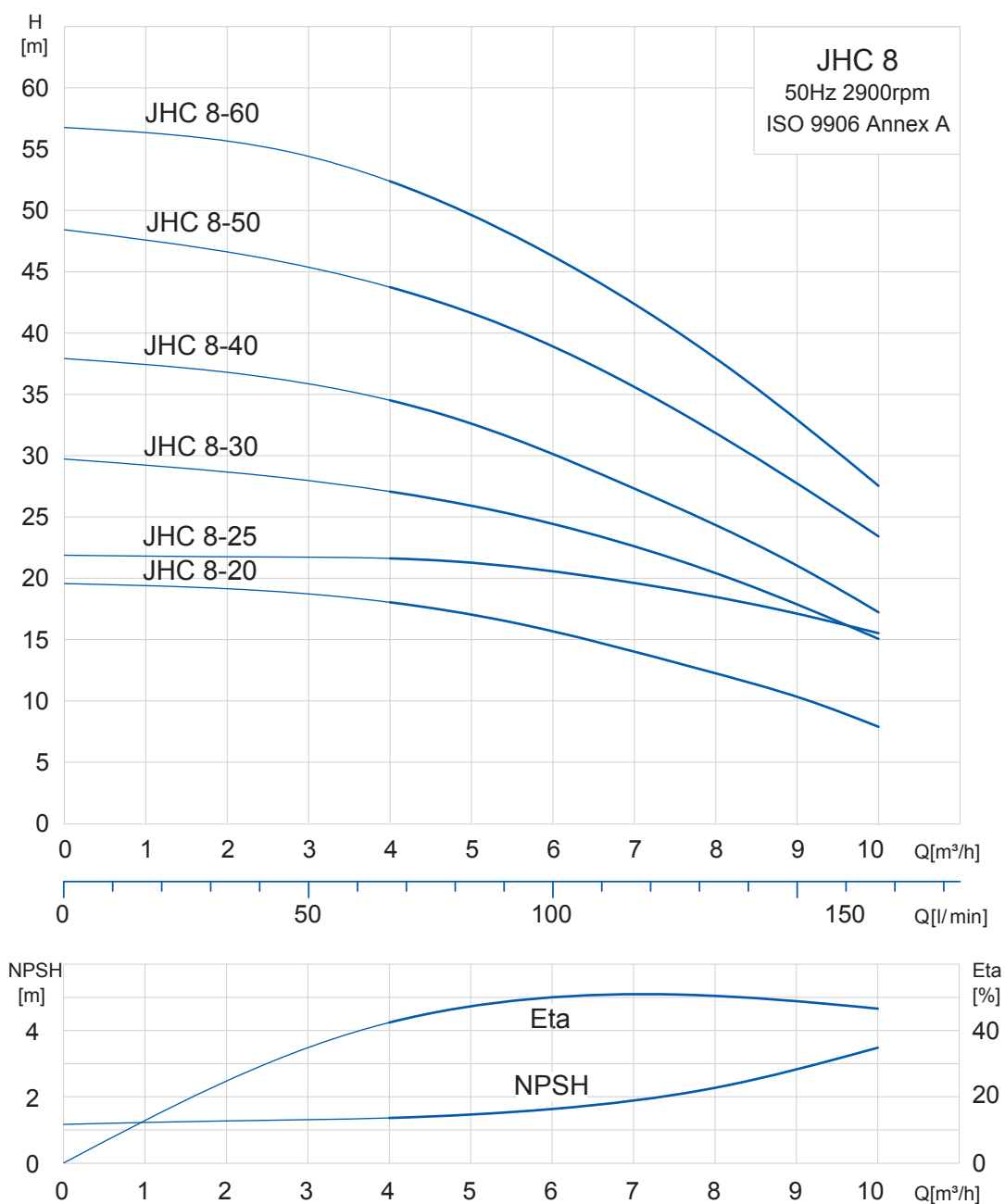
# JHC, JHS 4



Electrical data, 2900 min <sup>-1</sup>						
Pump Type	1 X 220-240 V			3 X 220-240Δ / 380-415Y V		
	P2(HP)	P2(KW)	I 1/1 (A)	P2(HP)	P2(KW)	I 1/1 (A)
JHC/JHS 4 - 20	0.5	0.37	2.6-2.5	0.5	0.37	2.4-2.9 / 1.4-1.7
JHC/JHS 4 - 30	0.5	0.37	3.6-3.5	0.5	0.37	2.5-2.9 / 1.5-1.7
JHC/JHS 4 - 40	0.75	0.55	4.4-4.1	0.75	0.55	3.1-3.3 / 1.8-1.9
JHC/JHS 4 - 50	1	0.75	5.3-5.0	1	0.75	4.2-4.5 / 2.4-2.6
JHC/JHS 4 - 60	1.5	1.1	6.7-6.4	1.5	1.1	5.1-5.5 / 2.9-3.2

# Performance Curve

# JHC, JHS 8

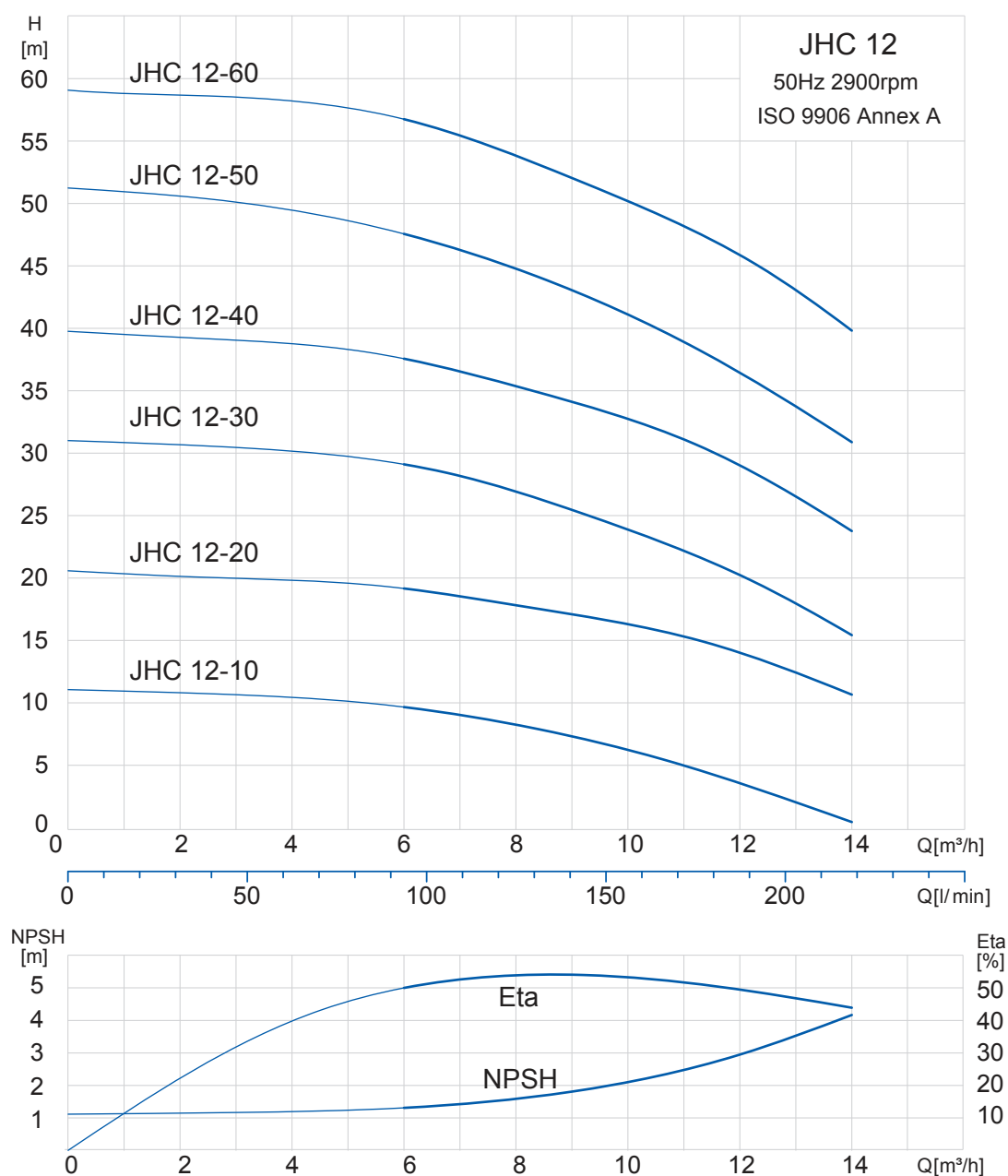


Electrical data, 2900 min <sup>-1</sup>						
Pump Type	1 X 220-240 V			3 X 220-240Δ / 380-415 V		
	P2(HP)	P2(KW)	I 1/1(A)	P2(HP)	P2(KW)	I 1/1(A)
JHC 8 - 20	0.75	0.55	3.3-3.2	0.75	0.55	2.9-3.3 / 1.7-1.9
JHC 8 - 25	--	--	--	1	0.75	3.5-3.8 / 2.0-2.2
JHC 8 - 30	1	0.75	5.2-5.0	1	0.75	4.3-4.8 / 2.5-2.8
JHC 8 - 40	1.5	1.1	6.3-6.1	1.5	1.1	5.7-6.3 / 3.3-3.7
JHC 8 - 50	2	1.5	8.2-8.1	1.5	1.1	5.7-6.3 / 3.4-3.7
JHC 8 - 60	2	1.5	9.0-8.8	2	1.5	6.5-7.0 / 3.8-4.1



# Performance Curve

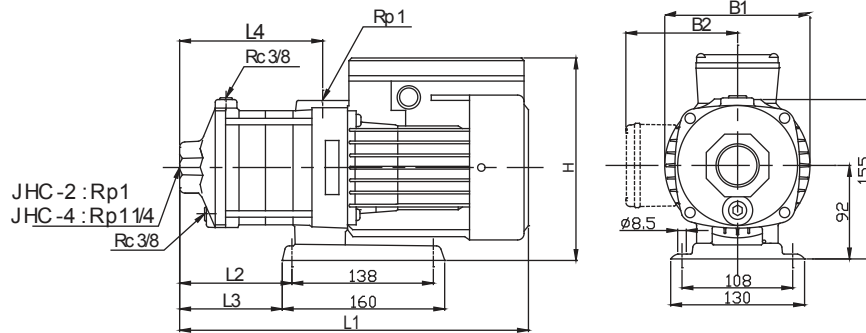
# JHC, JHS 12



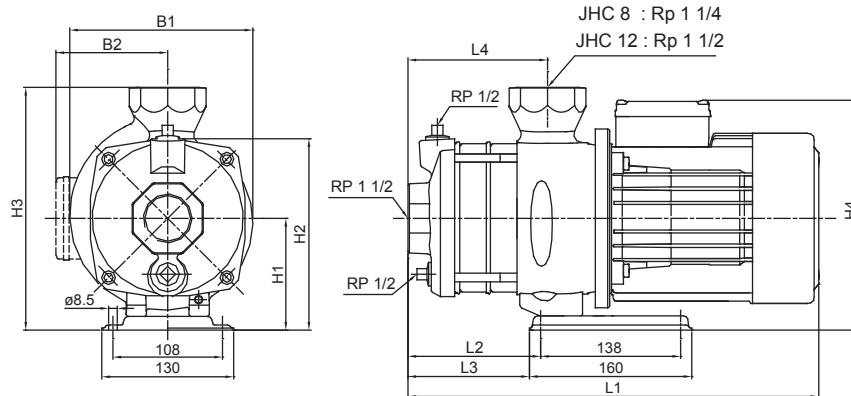
Electrical data, 2900 min <sup>-1</sup>						
Pump Type	1 X 220-240 V			3 X 220-240Δ / 380-415Y V		
	P2(HP)	P2(KW)	I 1/1 (A)	P2(HP)	P2(KW)	I 1/1 (A)
JHC 12 - 10	--	--	--	0.5	0.37	2.8-3.1 / 1.6-1.8
JHC 12 - 20	1	0.75	5.3-5.1	1	0.75	3.8-4.0 / 2.2-2.3
JHC 12 - 30	1.5	1.1	7.8-7.4	1.5	1.1	5.7-6.5 / 3.3-3.8
JHC 12 - 40	2	1.5	11.0-10.6	2	1.5	7.3-7.6 / 4.2-4.4
JHC 12 - 50	3	2.2	12.7-12.2	3	2.2	8.8-9.0 / 5.1-5.2
JHC 12 - 60	--	--	--	4	3	10.6-11.4 / 6.1-6.6

# Dimension & Weight

# JHC 2 , 4 , 8 , 12



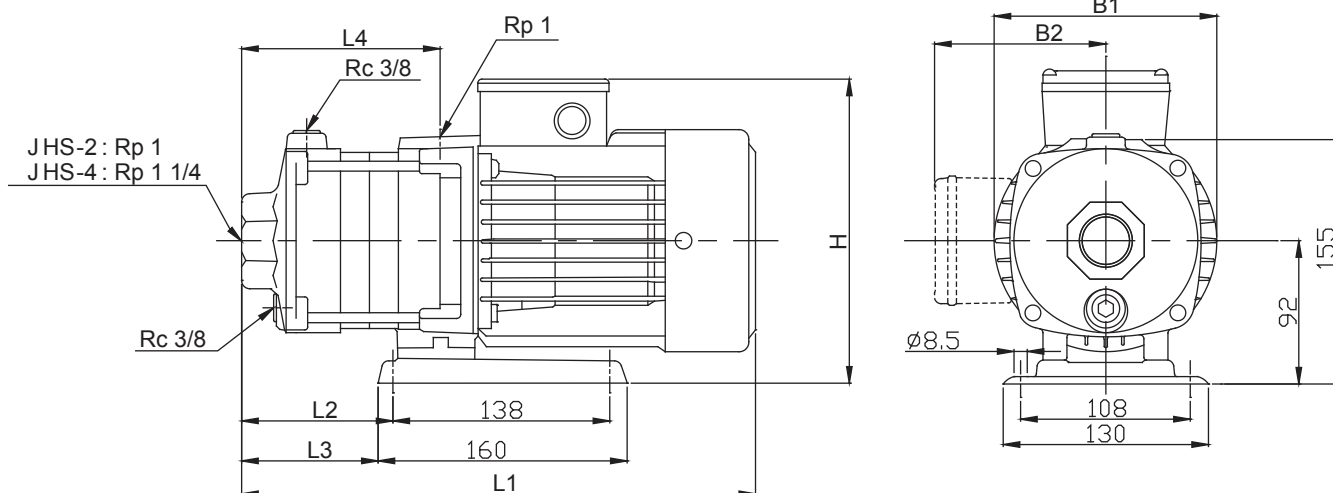
JHC 2, 4											
Pump Type	Dimension (mm)									Net weight (kg)	
	L1	L2	L3	L4	B1	B2		H		1phase	3phase
JHC 2 - 20	309	75	63	101	141	127	112	228	206	10.3	10.0
JHC 2 - 30	327	93	81	119	141	127	112	228	206	10.5	10.3
JHC 2 - 40	345	111	99	137	141	127	112	228	206	10.8	10.5
JHC 2 - 50	363	129	117	155	141	127	112	228	206	11.6	11.2
JHC 2 - 60	381	147	135	173	141	127	112	228	206	11.8	11.5
JHC 4 - 20	318	84	72	110	141	127	112	228	206	10.4	10.1
JHC 4 - 30	344	111	99	137	141	127	112	228	206	10.8	10.5
JHC 4 - 40	372	138	126	164	141	127	112	228	206	11.6	11.2
JHC 4 - 50	438	165	153	191	141	127	112	228	206	13.4	13.1
JHC 4 - 60	465	192	180	218	141	127	112	228	206	14.8	14.5



JHC 8, 12																
Pump Type	Dimension (mm)													Net weight (kg)		
	L1		L2	L3	L4	B1		B2		H1	H2	H3	H4		1phase	3phase
JHC 8 - 20	320	320	54	42	78	181	181	136	116	112	190	240	248	228	17.2	17
JHC 8 - 25	--	390	84	72	108	--	181	--	116	112	190	240	--	228	--	19.1
JHC 8 - 30	390	390	84	72	108	181	181	136	116	112	190	240	248	228	19.5	19.2
JHC 8 - 40	390	390	84	72	108	181	181	136	116	112	190	240	248	228	20.72	20.5
JHC 8 - 50	478	420	132	120	138	185	181	156	116	112	190	240	268	228	27.9	21.4
JHC 8 - 60	478	478	132	120	138	185	185	156	141	112	190	240	268	253	28.1	27
JHC 12 - 10	--	320	54	42	78	--	181	--	116	112	190	240	--	228	--	17.85
JHC 12 - 20	360	360	54	42	78	181	181	136	116	112	190	240	248	228	18.35	18.15
JHC 12 - 30	390	390	84	72	108	181	181	136	116	112	190	240	248	228	20.62	20.4
JHC 12 - 40	448	448	102	90	108	185	185	156	141	112	190	240	268	253	27.05	26.05
JHC 12 - 50	478	450	132	120	138	185	185	156	141	112	190	240	268	253	29.22	29.3
JHC 12 - 60	--	503	132	120	138	--	196	--	147	125	203	253	--	272	--	34.58

# Dimension & Weight

# JHS 2, 4



JHS 2, 4												
Pump Type	Dimension (mm)									Net weight (kg)		
	L1	L2	L3	L4	B1	B2		H		1phase	3phase	
						1phase	3phase	1phase	3phase	1phase	3phase	
JHS 2 - 20	309	75	63	101	141	127	112	228	206	9.1	8.8	
JHS 2 - 30	327	93	81	119	141	127	112	228	206	9.4	9.1	
JHS 2 - 40	345	111	99	137	141	127	112	228	206	9.6	9.4	
JHS 2 - 50	363	129	117	155	141	127	112	228	206	10.4	10.1	
JHS 2 - 60	381	147	135	173	141	127	112	228	206	10.7	10.3	
JHS 4 - 20	318	84	72	110	141	127	112	228	206	9.2	9.0	
JHS 4 - 30	344	111	99	137	141	127	112	228	206	9.6	9.3	
JHS 4 - 40	372	138	126	164	141	127	112	228	206	10.4	10.1	
JHS 4 - 50	438	165	153	191	141	127	112	228	206	11.3	12.0	
JHS 4 - 60	465	192	180	218	141	127	112	228	206	13.6	13.4	

# JHC(S) Series

## Horizontal Multistage Centrifugal Pump

### Variable Speed System (Single Phase Operation)

Application : School, Office Building, Hospital, Mosque, Budget Hotel & Factory



### Transfer System

Application : School, Office Building, Hospital, Mosque, Budget Hotel & Factory



### Home Booster Pumpset c/w VSD

Application : Double Storey Terrace House, Double Storey Semi-D / Bangalow



### Standard Home Booster Pumpset c/w DPC

Application : Single Storey Terrace House, Single Storey Semi-D / Bangalow

