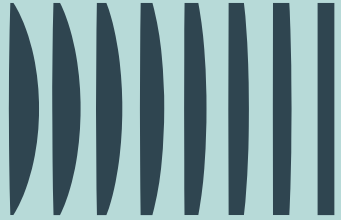


STAGE



CENTRIFUGAL PUMP

STAGE



STAGE's philosophy is to source for high-quality products related to pumping to meet, maximise and exceed our customers' and partners' expectations.

Vision

Become one of the well-known water pumping product in Thailand, which position in middle to high-end market. Measured by users and customers.



CENTRIFUGAL PUMP

Description

STAGE CST Series is a single-impeller centrifugal pump with EN733 new standard.

The design is to maximize the pump performance, with small volume, easy maintenance, better installation experience, and clean-cut appearance.

Wide range of application of domestic, civil, industrial and agricultural systems, mixing and irrigation uses.

All CST pumps can be coupled to DIN flange standard.

Specification

Maximum Capacity
: up to 300 m³/h

Maximum Pressure
: up to 16 bar

Speed
: 2900 rpm



CENTRIFUGAL PUMP

Application

Urban water supply
Pressure Boosting
High-Rise
Fire Fighting System
Garden Irrigation
Heating Ventilation
Air Controlling

Operating Condition

Liquid temperature
between -10°C and $+120^{\circ}\text{C}$

Ambient Temperature
between -10°C and $+50^{\circ}\text{C}$

Features

Inlet and outlet DIN flanges are precision machined cast.

Structure are built in compact design, with small occupation area, and the simple installation procedure.

Thermal and current overload protection and a capacitor are permanently built-in in the single phase version's circuit

Impeller are made from stainless steel to maximize the pump endurance and the pump life service.

The CST type pump body are iron casted with anti-corrosion treatment.

Motor

High Efficient Motor
: YE3

Protection grade
: IP55

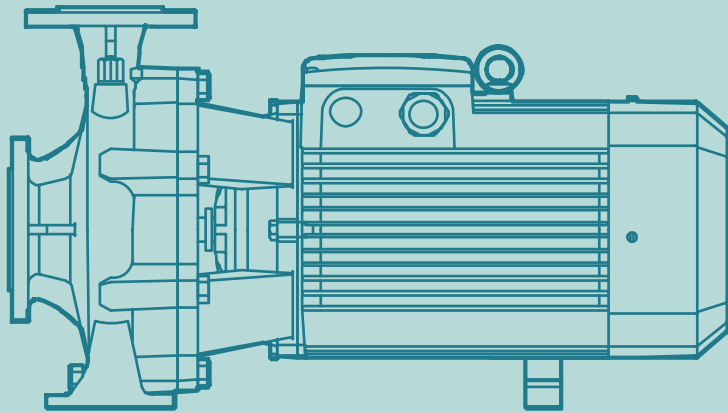
Insulation grade
: F

Standard voltage
: 1x220-230/240V 50Hz
: 3x380-415V 50Hz

Working mode
: S1

CENTRIFUGAL PUMP

Pump Section and List of Main Components



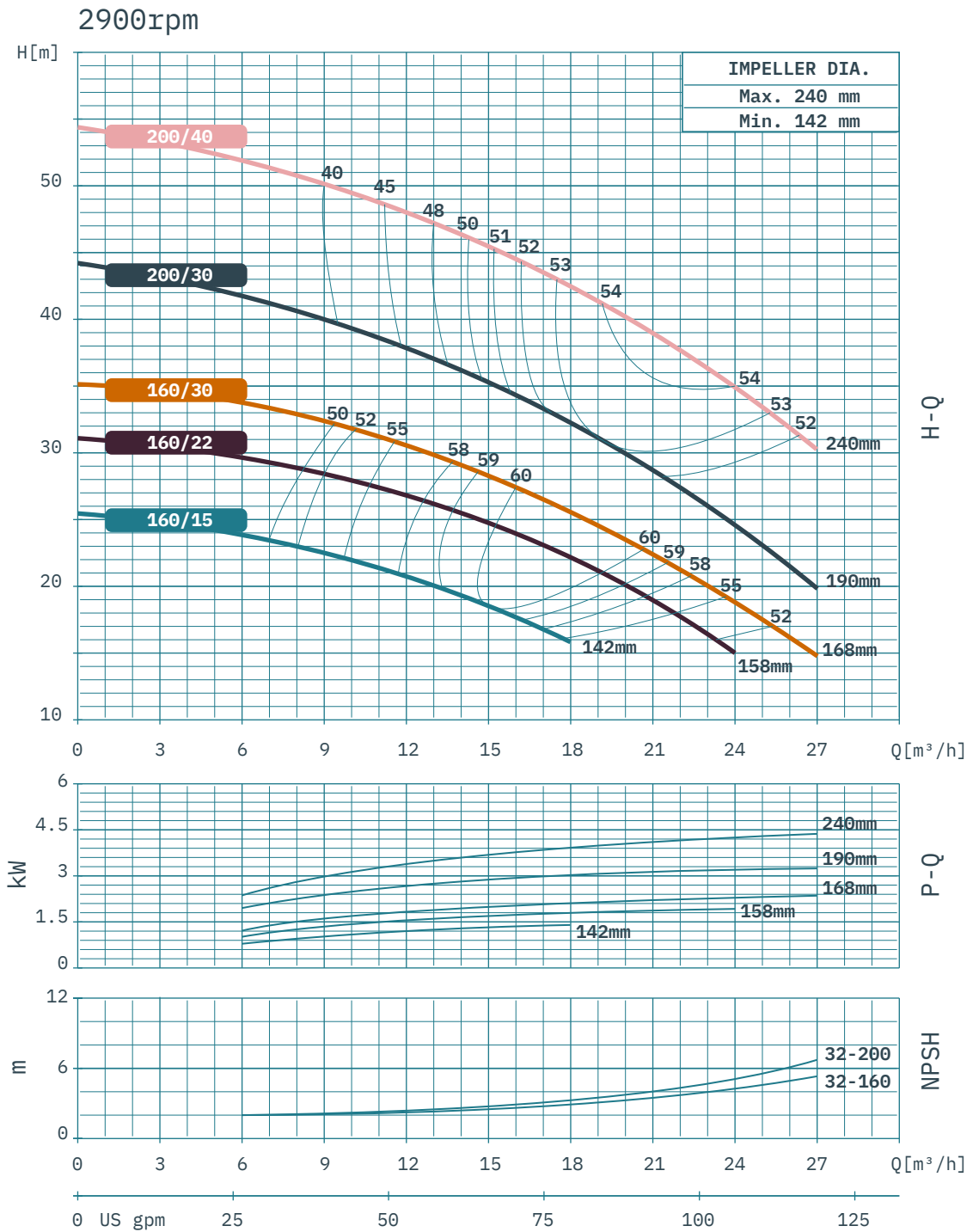
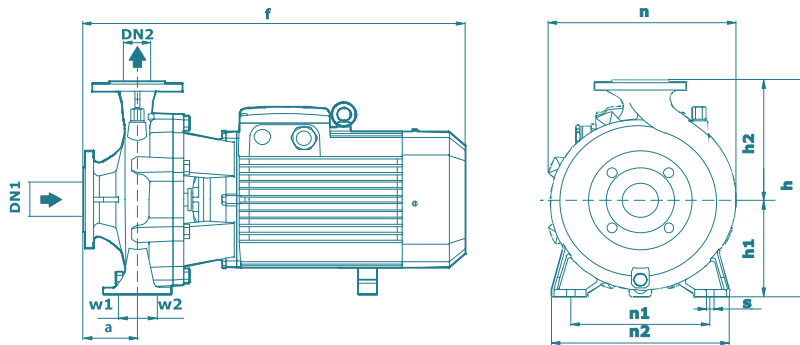
Ref. N	Description	Material
1	Pump Case	Cast Iron
2	Impeller	Stainless Steel 304
3	Mechanical Seal	Silicon Carbide / Carbon
4	o-ring	Rubber
5	Connection	Cast Iron
6	Reinforced Seal	Rubber
7	Shaft	Stainless Steel 304
8	Bearing	Ball Bearing
9	Wound Stator / Rotor	Silicon Steel / Copper
10	Motor Case	Aluminum
11	Support Foot	Plastic
12	Back Cover	Cast Iron
13	Reinforced Seal	Rubber
14	Fan Cover	Aluminum
15	Fan	Plastic
16	Through Bolt	Steel
17	Terminal Box	Aluminum
18	Terminal Board	Plastic
19	Impeller Key	Iron
20	Water Deflector	Rubber
21	Connection Bolt	Steel
22	Impeller Nut	Galvanized Steel
23	Release Valve	Brass
24	Gasket	Rubber
25	Counter Flange	Galvanized Cast Iron
26	Flange Bolt	Steel

CST32

CST Performance Data - 50Hz

TYPE	MOTOR		DIMENSION				
	KW	HP	DN1	DN2	h (mm)	h1 (mm)	Kg
CST32-160/22	2.2	3	50	32	295	133	39
CST32-160/30	3	4	50	32	295	133	50
CST32-200/30	3	4	50	32	342	161	52
CST32-200/40	4	5.5	50	32	342	161	53

TYPE	Q	DELIVERY						
	m ³ /hr l/min	0	6	9	15	18	24	27
CST32-160/22	HEAD m	31	29.6	28.5	24.5	22	15	-
	HEAD m	35	34.3	32.5	28	25.5	19	15
CST32-200/30	HEAD m	44.2	42	39.8	35.2	32.2	24.6	19.8
	HEAD m	54.5	52	50	45.5	42.3	35	30.3



CST40

CST Performance Data - 50Hz

TYPE	MOTOR		DIMENSION				
	KW	HP	DN1	DN2	h (mm)	h1 (mm)	Kg
CST40-200/55	5.5	7.5	65	40	345	162	66
CST40-200/75	7.5	10	65	40	345	162	73

TYPE	Q	DELIVERY						
	m ³ /hr	0	18	24	27	36	42	48
	l/min	0	300	400	450	600	700	800
CST40-200/55	HEAD (m)	46	43.8	41.3	40.1	35	30	-
CST40-200/75	57	53.6	51.5	50	45	41	36.5	

