

# **Industrial Range....**

**Vertical Inline Pump**

**Sewage Pump**

**Openwell**

**Mud Pump**

**Monoblock Pump**

**Coolant Pump**

**Electric Motors**





**Vertical Multistage Centrifugal Pumps :** These are used in Filtration and transfer at waterworks, Pressure boosting in mains & in high rise buildings & hotels. Process water system in washing and cleaning systems, Vehicle washing tunnels, Fire fighting systems. Cooling and air-conditioning systems, Boiler feed and condensate systems, machine tools(cooling lubricants), aquafarming. Ultra-filtration system, Reverse osmosis system, Demineralizing systems, Distillation systems, Separators, Swimming baths & water Parks. Field irrigation (flooding), Sprinkler & Drip-feed irrigation.

Range	OCR 1	OCR 2	OCR 3	OCR 4	OCR 5	OCR 10	OCR 15
Nominal flow rate (m <sup>3</sup> /h)	1	2	3	4	5	10	15
Temperature range (°C)	-30 to +120	-30 to +120	-30 to +120	-30 to +120	-30 to +120	-30 to +120	-30 to +120
Max. Pump efficiency(%)	48	48	58	58	66	70	72
Flow rate (m <sup>3</sup> /h)	0.8-2.4	1.0-4.0	1.2-4.4	2.0-8.0	2.0-8.5	6-13	10-24
Motor Power (kW)	0.37-2.2	0.37-3.0	0.37-3.0	0.37-4.5	0.37-5.5	0.37-7.5	1.1-15.0
Max. Pressure (bar)	22	25	24	22	24	22	23
Flange	DN 25/32	DN 25/32	DN 25/32	DN 25/32	DN 25/32	DN 40	DN 50



**Sewage Pumps :** These used in Drainage of sewage from the building basements, hotel industry, waste water from factories. Drainage of sewage from industrial process factories. To empty septic tanks, cesspits and sewage pump stations. Pumping surface and drainage water from garages and sprinkler systems.

Model		Power		Start Method	m <sup>3</sup> /h l/min.	3	6	12	18	24	36	48	60
Single Phase	Three Phase	kw	HP			50	100	200	300	400	600	800	1000
OFP - 2115/2115F	-	0.75	1.0	Capacitor	H(m)	13	12	9	6.5	3.5	-	-	-
-	OFP-2135			Direct									
OFP-3215	-	1.50	2.0	Capacitor									
-	OFP-3235			Direct									
OFP-3315	-	2.20	3.0	Capacitor									
-	OFP-3335			Direct									



**Note :** Subscript "F" Pumps will be provided with a float switch.

**Coolant Pump :** Application in machines for circulation of cutting oil & other coolants.

MODEL	K.W.	H.P.	DELV SIZE IN MM	TOTAL HEAD IN METERS					
				FEET	13	26	39	52	66
				METERS	2	3	4	5	6
OPCP-02-3PH	0.18	0.25	25X25		85	63	47	21	0



**Openwell Submersible Pumpset :** It can be run in open as well as in submerged water. In Industrial & Domestic water supply, Lift irrigation schemes. Drip/ Sprinkler Irrigation schemes, fire fighting booster application, cooling water. Circulation, fountains & water parks installation and air conditioning & industrial plants.

Details	Single Phase	Three Phase
Range	0.5 HP to 3 HP.	0.5 HP to 10 HP.
Head	6 mtrs to 40 mtrs.	7 mtrs to 60 mtrs.
Discharge	60 lpm to 1150 lpm.	60 lpm to 3500 lpm.
Pipe Size	25x25 mm to 100x100 mm.	25x25 mm to 125x125 mm.





**Mud Pumps :** For mud circulation applications, Crude oil and mud slurry handling in oil fields & cement slurry water.

Details	Single & Three Phase
Range	1 HP to 3 HP.
Head	6 mtrs to 22 mtrs.
Discharge	70 lpm to 450 lpm.
Delivery Size	40x40 mm, 50x40 mm & 50x50 mm.



**Monoblock Pumps :** Application of Centrifugal Monoblock pumpset are for Hospitals, Water circulation systems, Water supply systems of Government, Irrigation, Farms & Drip & sprinkler irrigation, Gardening, Nurseries, Domestic water supply, Multi-storeyed Building, Industries & Hotels.

Details	2880 RPM
Power Range	0.5 HP to 5 HP -1Ph. 0.5 HP to 20 HP -3Ph.
Flow rate upto	2300 lpm.
Head range upto	82 mtr.
Suction lift upto	7 mtr.
Pump size in inches	1x1, 1 1/4x1, 1 1/2x1 1/4, 1 1/2x1 1/2, 2x1 1/2, 2x2, 2 1/2x2, 3x2 1/2, 3x3, 4x3, 4x4
Version	200-240V, A.C., 50 Hz - 1 Ph. Permanent Split capacitor - CSR 380-415V, A.C., 50 Hz - 3 Ph. 0.5 to 7.5 HP D.O.L., 10 to 15 HP S.D.



**OSWAL** Monoblock Pumps (Single Phase 2880 RPM) confirm to IS:9079.

**Electric Motors :** Mainly Industrial Use Versatile for Agriculture equipments, Machineries. Hydraulic equipments, compressor, Looms, Flour Mills, etc.

Details	Single Phase
Range	0.16 HP to 5 HP.
Speed(RPM)	1440.
Frames	63 - 132 M.
Class	A & B
Rating	S1 Continuous
Poles	4 Poles



**OSWAL** Single Phase Electric Motors confirm IS:996.

**Induction Motors :** For various industrial application like Machine tools, Textiles, Air Conditioning, Dairy Equipments, Crane & Hoist, Pollution control, Aquaculture & agriculture, Fertilizers, Mines & Chemicals Industry.

Details	Three Phase
Range	0.25 HP to 120 HP.
Speed(RPM)	3000/1500/1000/750/600/500/375
Frames	63 - 280 M.
Class	'F'
Rating	Continuous
Poles	2/4/6/8 Poles



**OSWAL** Three Phase Electric Motors confirm to IS:325.

**Cooling Tower Motors :** These Cooling Tower Motor are used in cooling towers of air conditioning and refrigeration industries & plants.

Details	Three Phase
Range	0.25 HP to 120 HP.
Speed(RPM)	3000/1500/1000/750
Frames	63 - 280 M.
Class	'F'
Rating	Continuous





### Operating and Inlet Pressure Vertical Multistage Inline Pump

#### Maximum Inlet Pressure :

The following table shows the maximum permissible inlet pressure. However, the current inlet pressure against a closed valve must always be lower than the maximum permissible operating pressure.

If the max. Permissible operating pressure is exceeded, the conical bearing in the motor may be damaged and the life of the shaft seal reduced.

<b>OCR 1</b>	2 to 36	10(Kg)
<b>OCR 2</b>	2 to 26	10(Kg)
<b>OCR 3</b>	2 to 29	10(Kg)
	31 to 36	15(Kg)
<b>OCR 4</b>	1 to 22	10(Kg)
<b>OCR 5</b>	2 to 16	10(Kg)
	18 to 36	15(Kg)
<b>OCR 10</b>	1 to 6	8(Kg)
	7 to 22	10(Kg)
<b>OCR 15</b>	1 to 3	8(Kg)
	4 to 17	10(Kg)

#### Electric - Motor

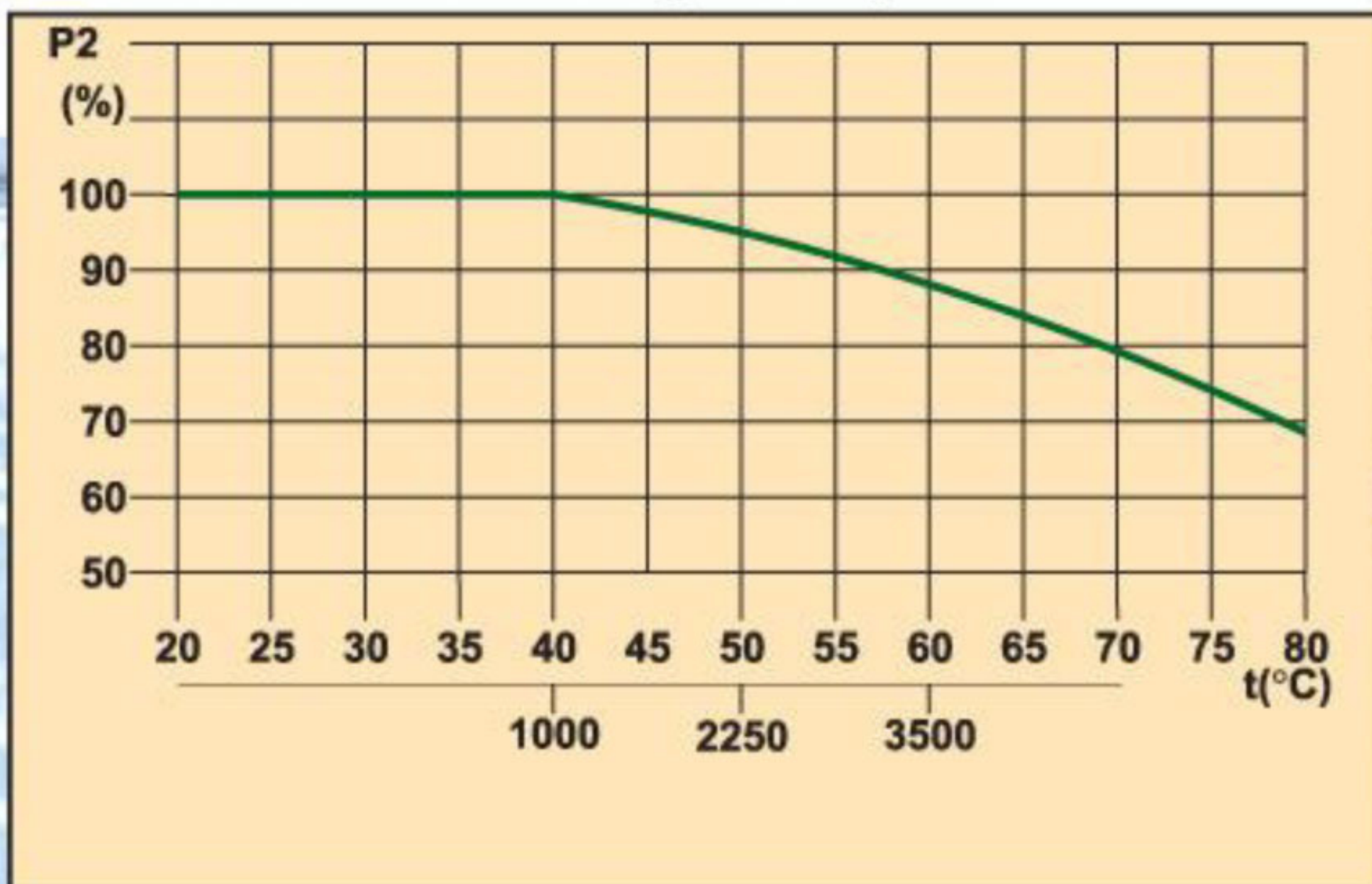
Full-enclosed air blast two pole standard motor

Mounting	Upto 4kW(Phase mounting)
Designation	From 5.5kW(Flange mounting)
Insulation	F
Enclosure Class	IP 55
Standard Voltages	1 x 220 - 230/240V
50Hz	3 x 380 - 415V

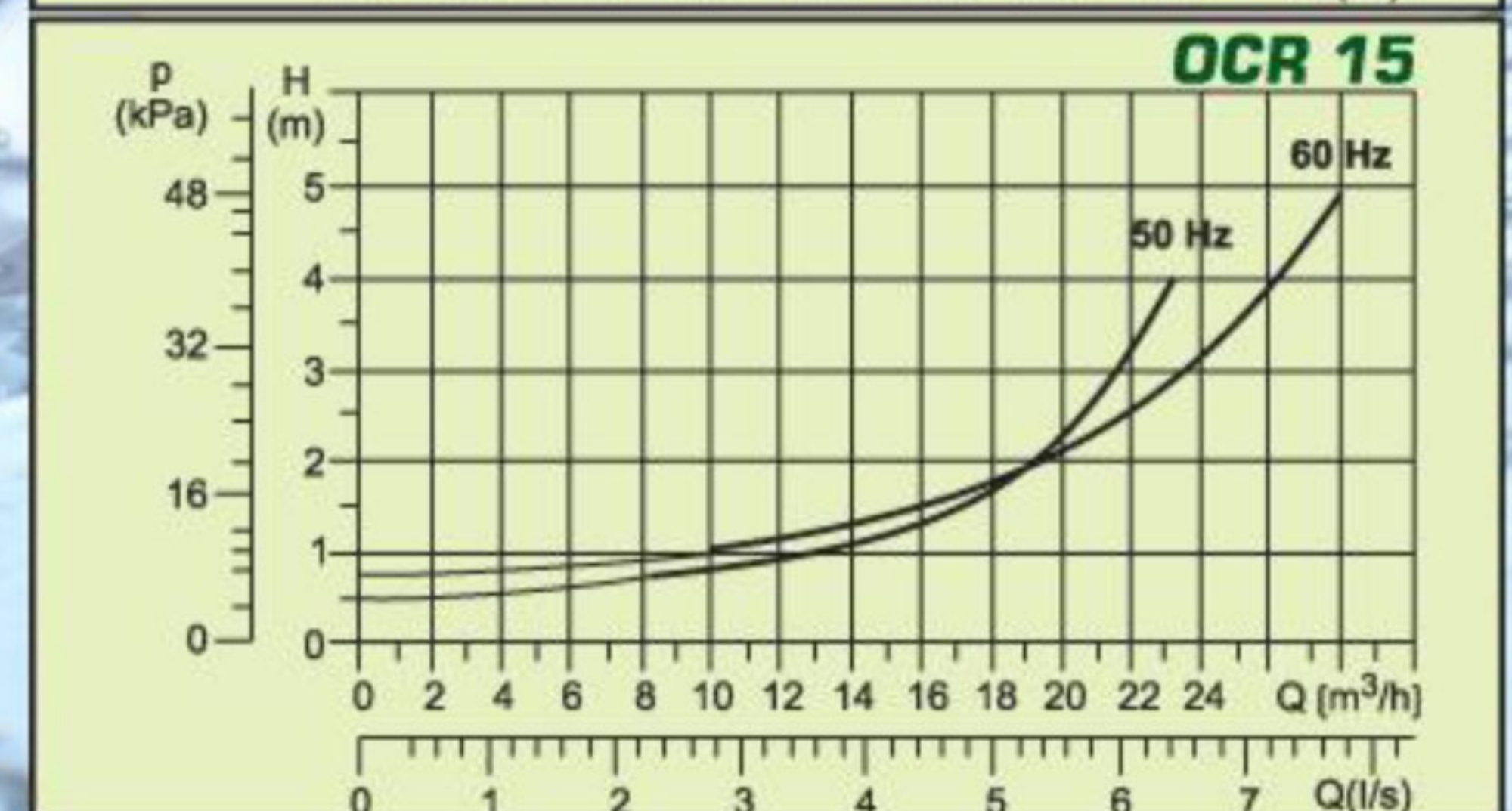
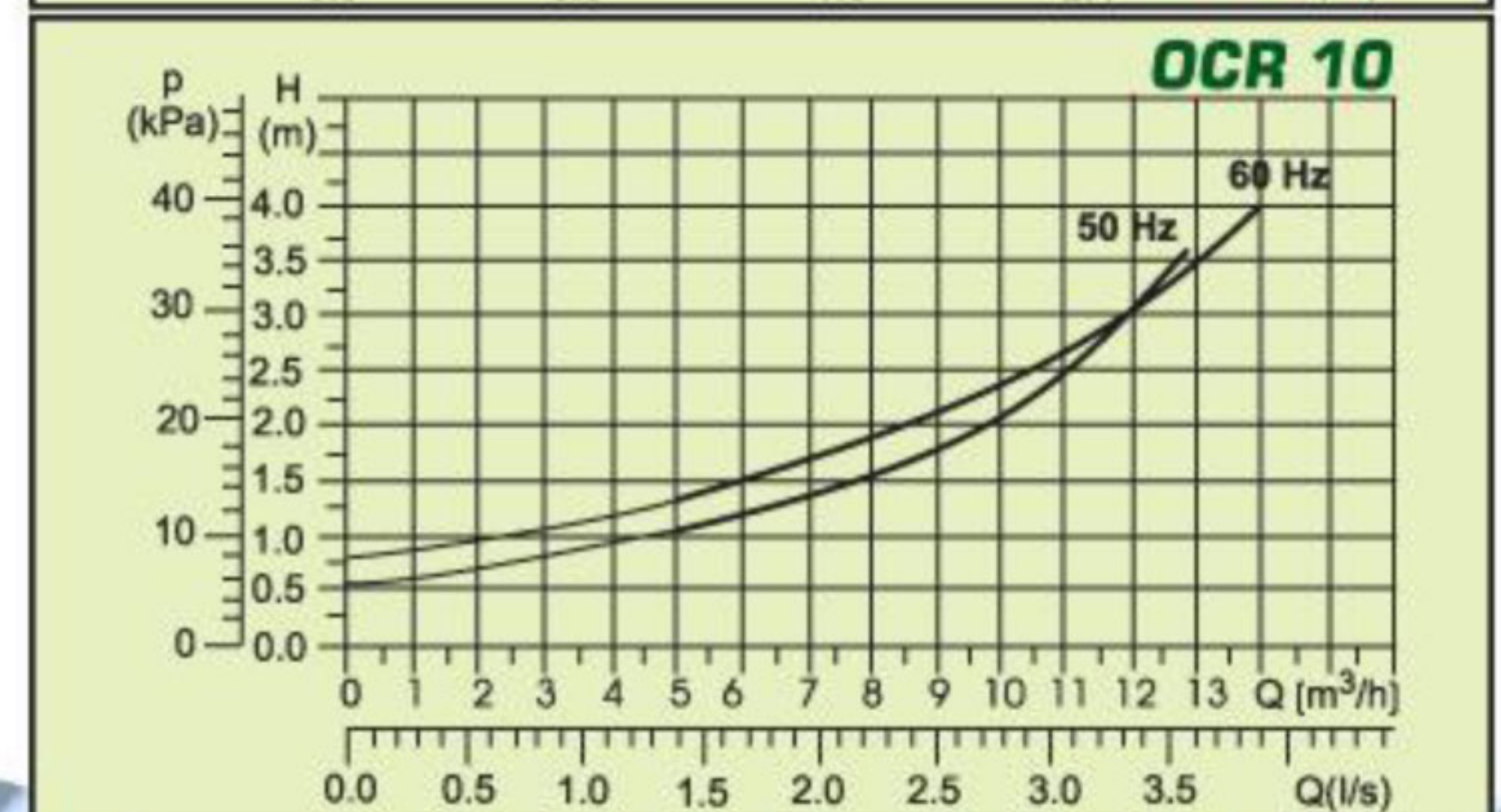
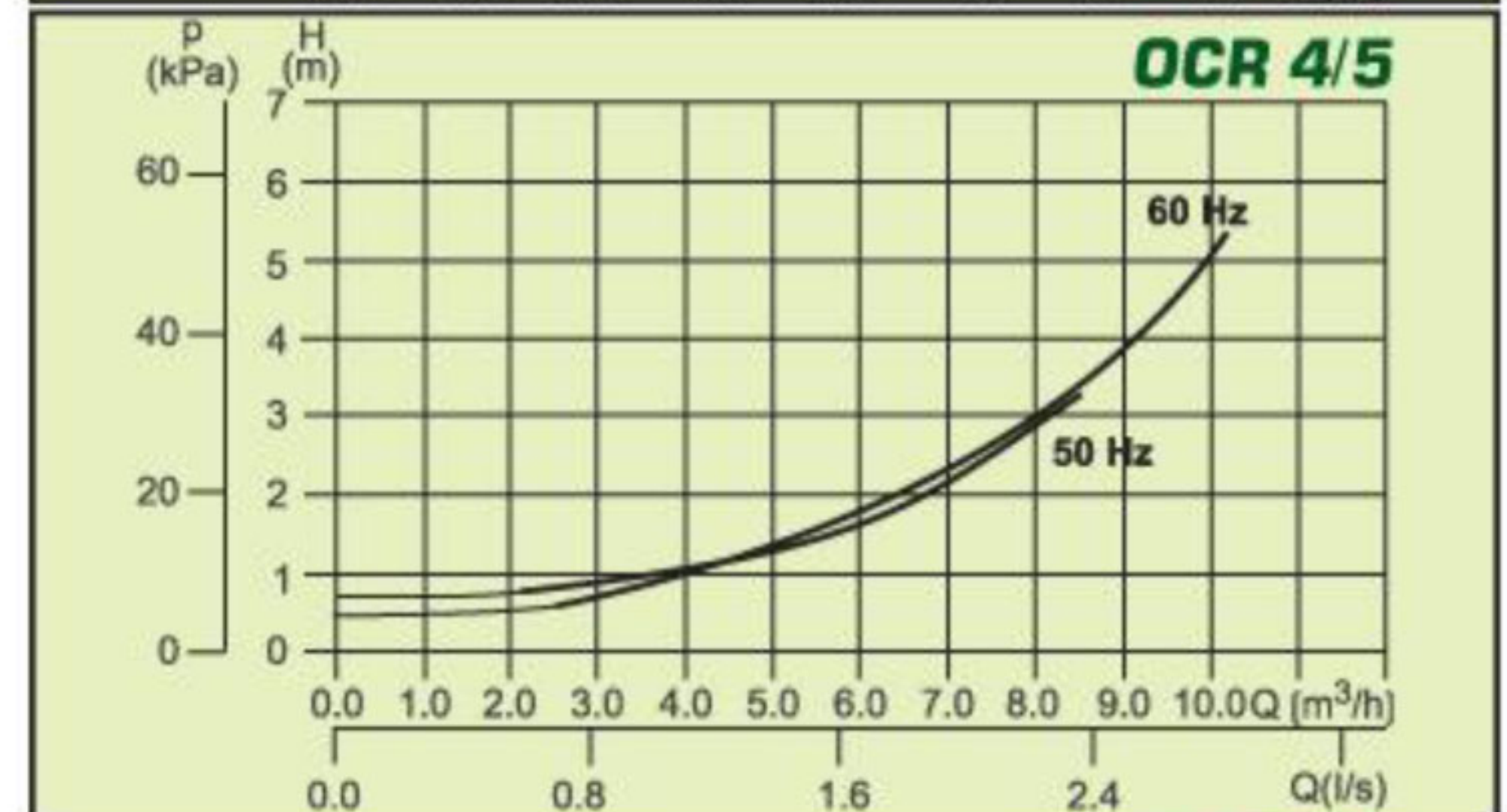
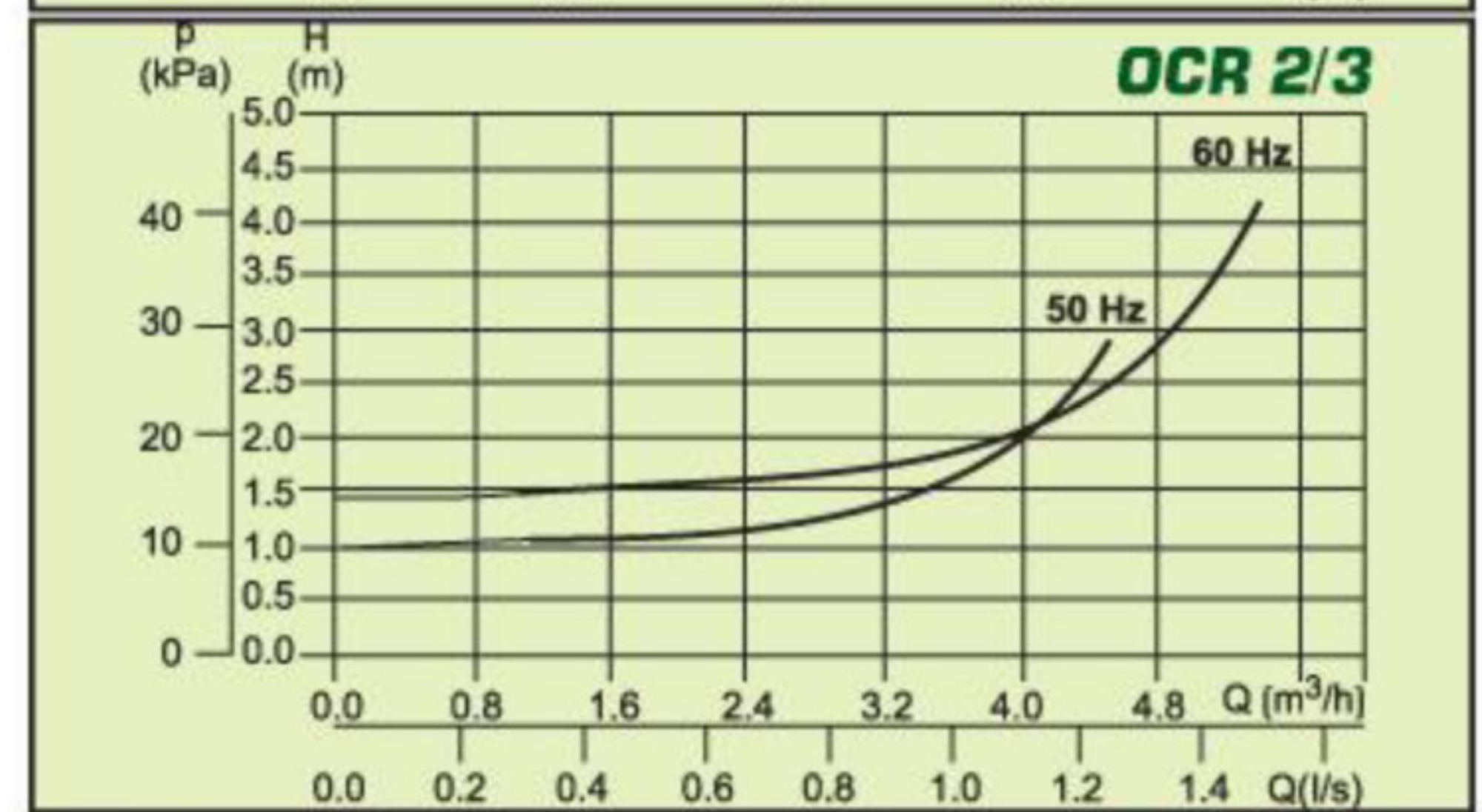
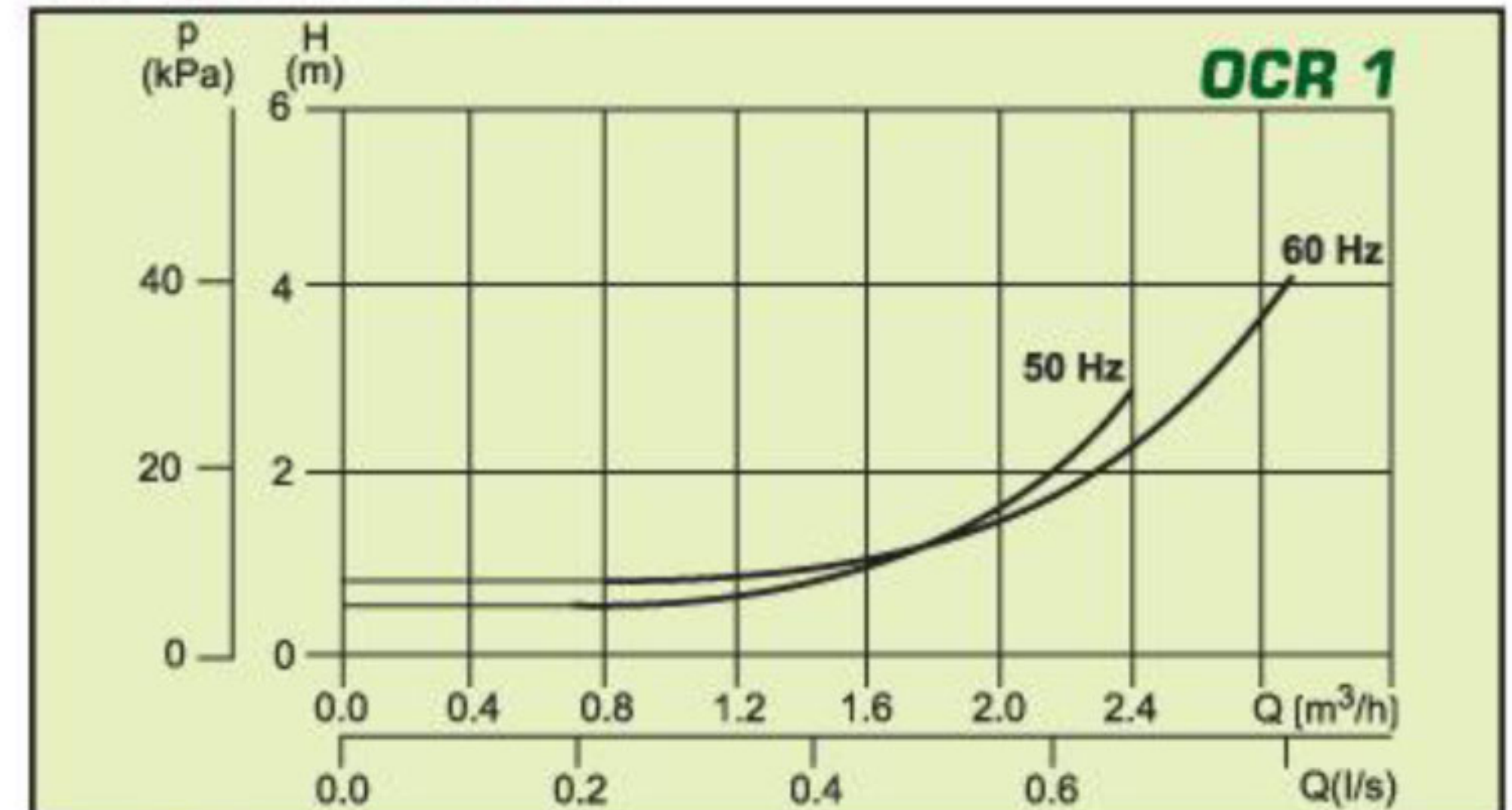
#### Ambient Temperature

Ambient Temperature : Maximum +40°C

If the ambient Temperature exceed +40°C or if the motor is located 1000metres above sea level, the motor output (P2) must be reduced due low cooling effect of the air. In such cases, it may be necessary to use a motor with a higher output.



#### NPSHR Curve :





## ISO Certification



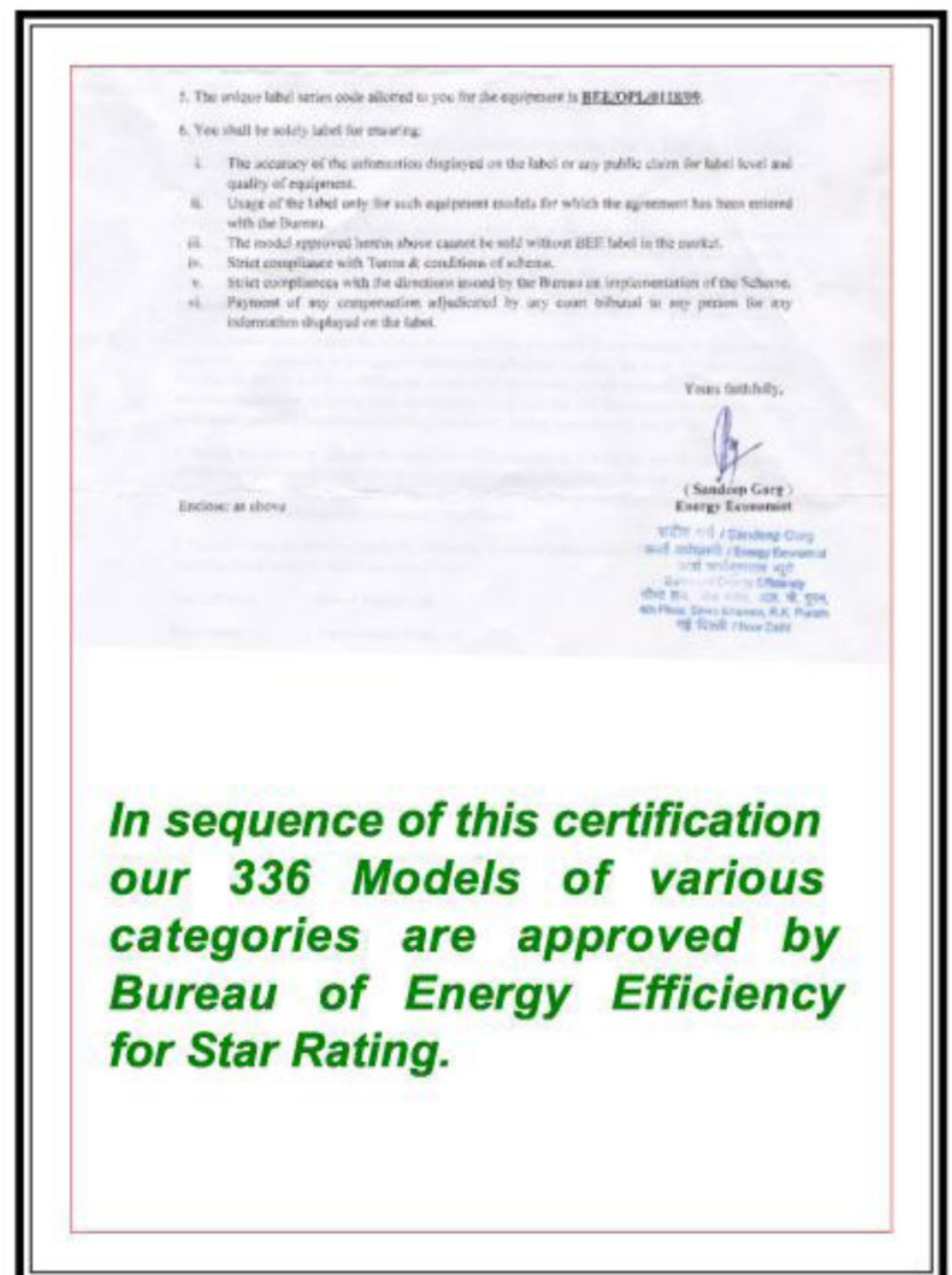
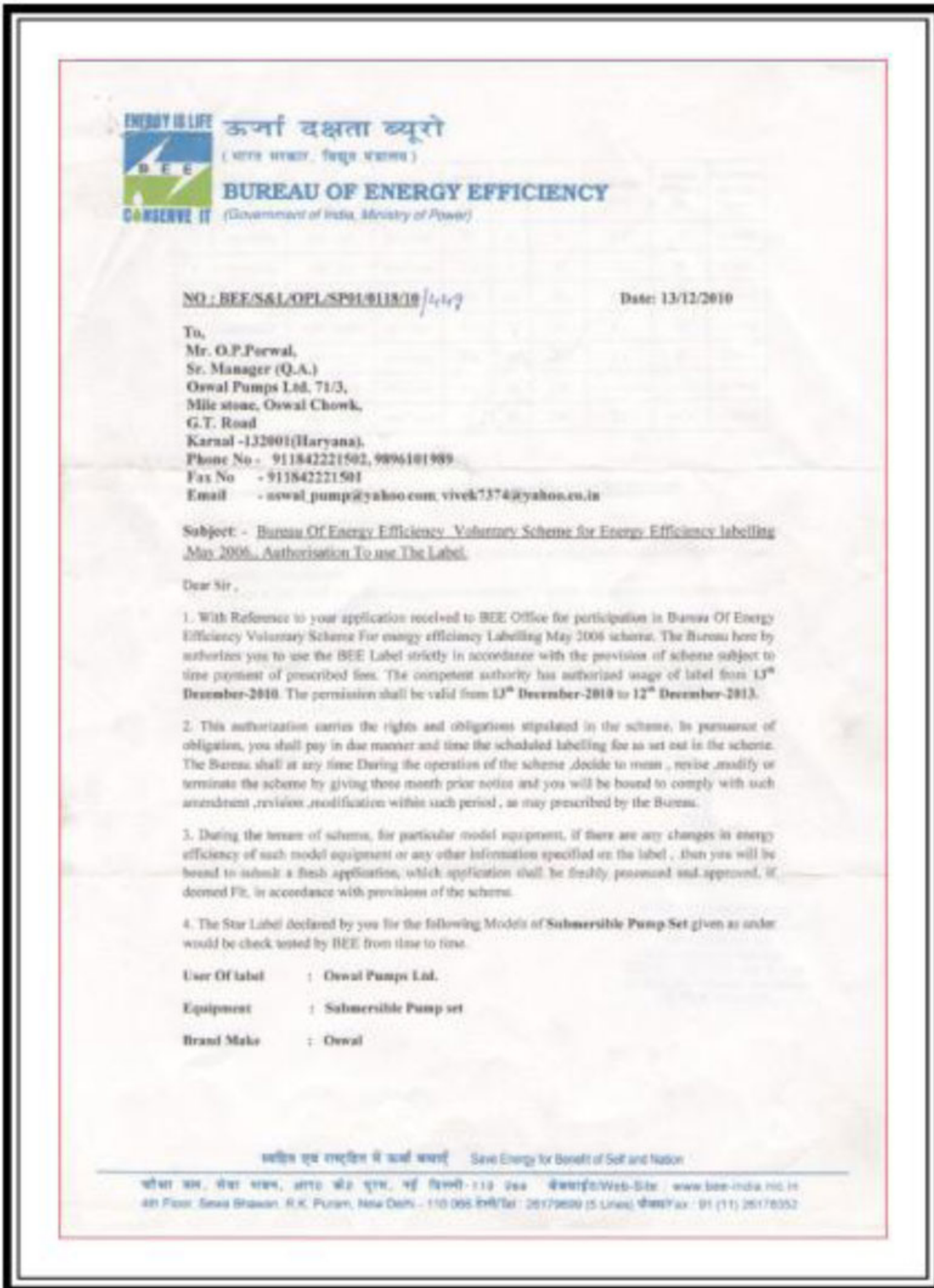


## CE Certification





## BEE Certification







## Oswal Pumps Ltd.

Oswal Estate, NH-1, Kutail Road, P.O. Kutail-132 037, Distt. KARNAL (Haryana) INDIA  
Ph.No. : +91-184-6616600(30 Lines) +91-1748-257701-04 Fax : +91-1748-257700

Munish Rai

GM - Industrial Sales

+91 9813910749

e-mail : [munishrai@oswalpumps.com](mailto:munishrai@oswalpumps.com)

URL : <http://oswalpumps.com>, [www.oswalpumps.co.in](http://www.oswalpumps.co.in)