

HOM

Sump Submersible Pumps - Horizontal

Construction

Submersible horizontal sump medium series pumps with volute casing made of cast iron material gives superior durability even in robust operating conditions.

Applications

- Agriculture
- Domestic Building Services
- Commercial Building Services
- Public Utilities

Operating Conditions

- Liquid temperature : upto 33 °C
- Total Solids : 3000ppm (Max.)
- Durability : 50ppm (Silica Scale Max.)
- Continuous duty

Water filled Rewindable motor

- 2-pole Induction motor, 50Hz (n= 2900 rpm)
- For Three Phase 415V (50Hz)
- Voltage tolerances : +6% -15%
- Insulation class : B

Special features

- Specially designed bush bearing to minimize the vibration
- High foundry grade flange for better plumbing works
- Provision of 2 eye bolts for easy installation
- Rotor made of 99.9 % EC grade Copper

MATERIAL SPECIFICATIONS

PUMP

Components	Materials
Volute Casing	Cast Iron FG 200
Impeller	Cast Iron FG 200
Flange	SG 400/12
Strainer	SS 202

MOTOR

Components	Materials
Base	Cast Iron FG 200
Body	Cast Iron FG 200
Back Housing	Cast Iron FG 200
Front Housing	Cast Iron FG 200
Rotor shaft	SS 420
Thrust bearing	Carbon + SS 410
Seal	Natural Rubber
Bearing bush	LTB4

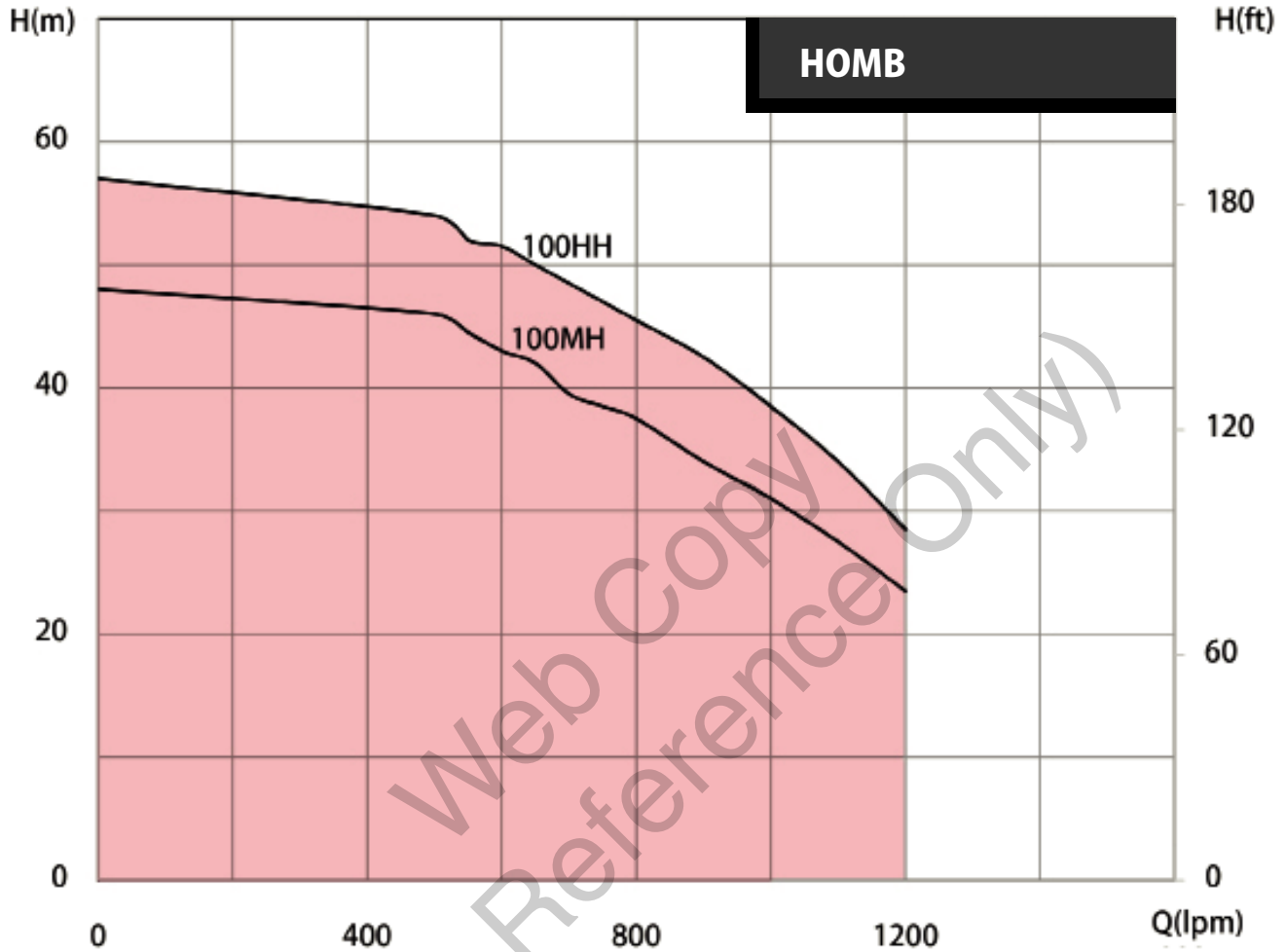


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Characteristic Curves



Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m ³ /hr	0	30	33	36	39	42	45	48	54	60	66	7	DNM
				Q - l/min	0	500	550	600	650	700	750	800	900	1000	1100	1200	
HOMB100HH/1	10.0	7.5	T	Total Head in meters	57	54	52	51.5	50	48.5	47	45.5	43	39	34	29	2"
HOMB100MH/1	10.0	7.5	T		48	46	44.5	43	42	39.5	38.5	37.5	34	31	27.5	23.5	2.5"

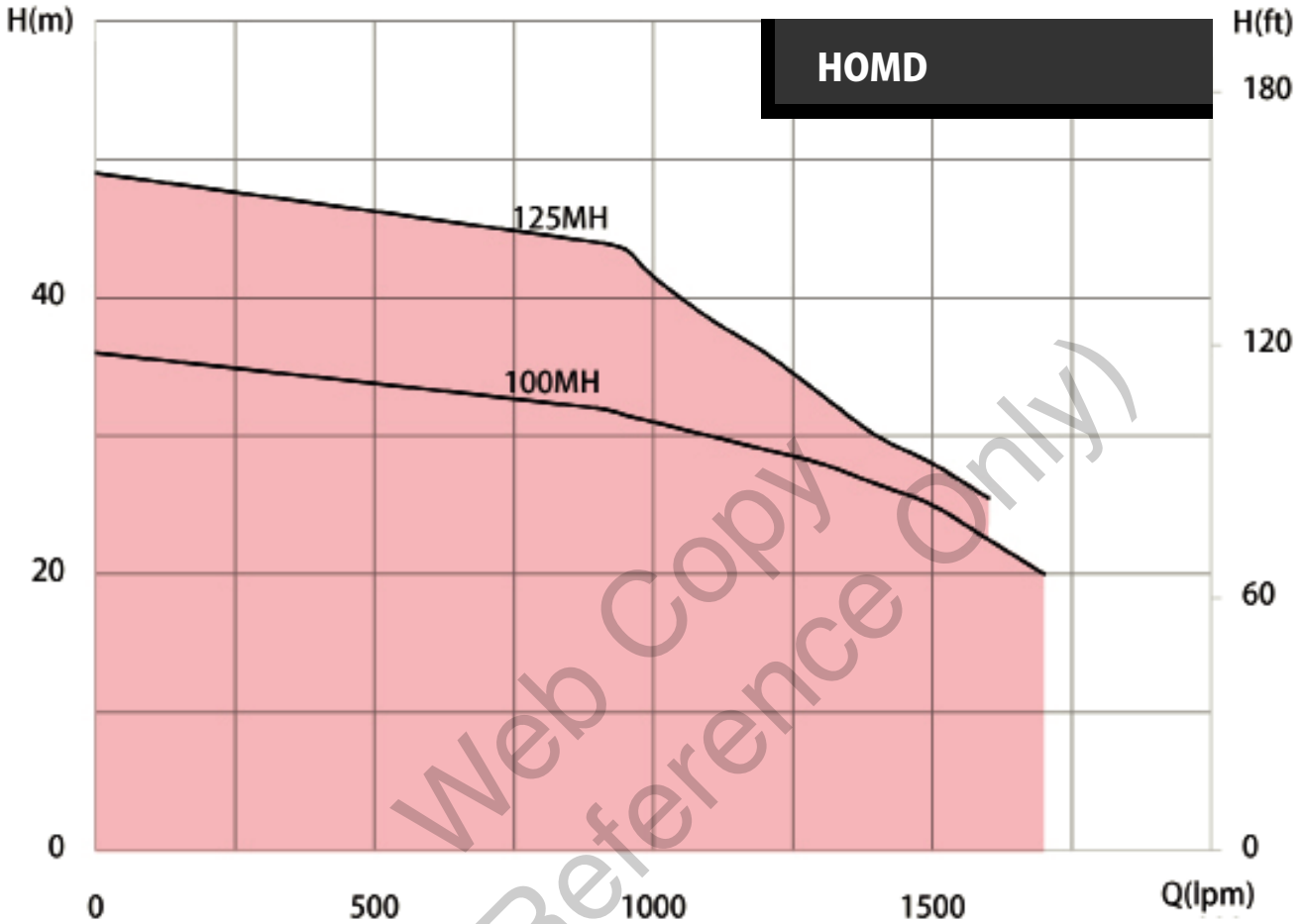
* M - Single Phase, T - Three Phase, Q - Discharge, DNM - Nominal Diameter

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Characteristic Curves



Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m ³ /hr	0	54	57	60	66	72	78	84	90	96	102	108	DNM
				Q - l/min	0	900	950	1000	1100	1200	1300	1400	1500	1600	1700	1800	
HOMD100LH	10.0	7.5	80	Total Head in meters	36	32	31.5	31	30	29	28	26.5	25	23	20	-	3"
HOMD125MH	12.5	9.3	65		49	44	43.5	41.5	38.5	36	33	30	28	25.5	-	-	2.5"

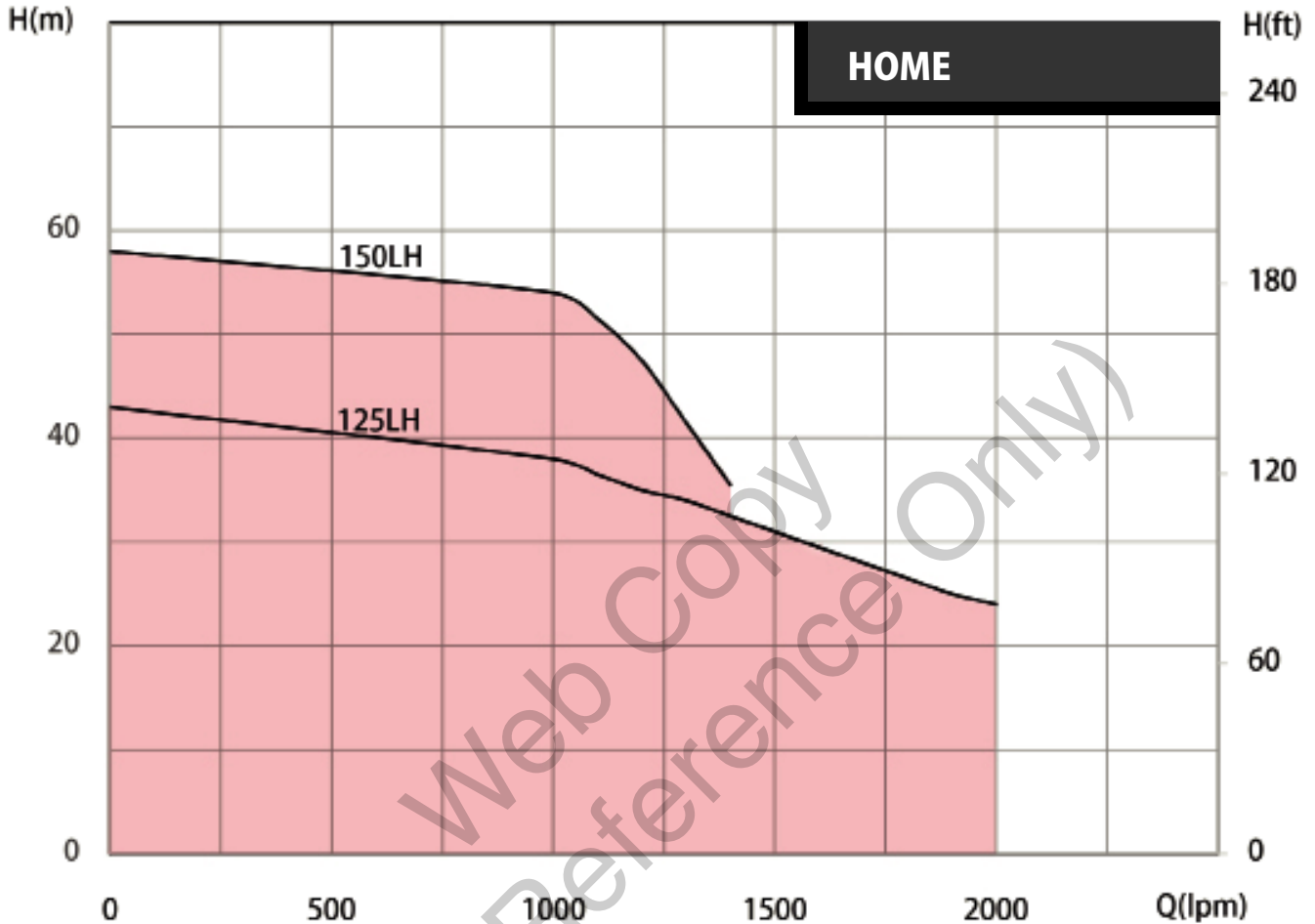
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Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m ³ /hr	0	60	66	72	78	84	90	96	102	108	114	120	DNM
				Q - l/min	0	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	
HOME125LH	12.5	9.3	T	Total Head in meters	43	38	36.5	35	34	32.5	31	29.5	28	27	25	24	3"
HOME150MH	15.0	11.0	T	Total Head in meters	58	54	51.5	47.5	41.5	35.5	-	-	-	-	-	-	2.5"

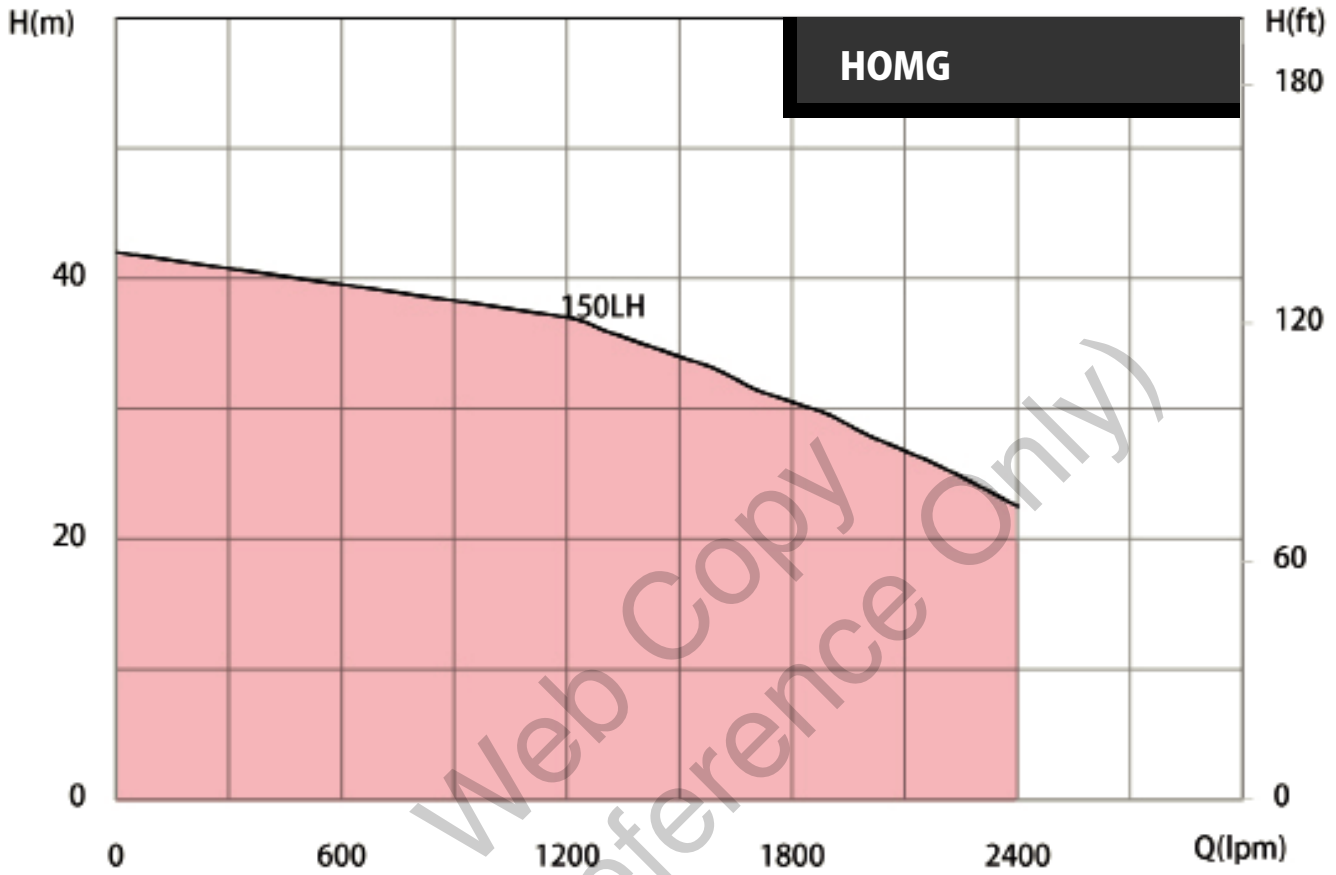
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Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m ³ /hr	0	72	78	84	90	96	102	108	120	132	144	DNM
				Q - l/min	0	1200	1300	1400	1500	1600	1700	1800	2000	2200	2400	
HOMG150LH/1	15.0	11.0	T	Total Head in meters	42	37	36	35	34	33	31.5	30.5	28	26	23	3"

* M - Single Phase, T - Three Phase, Q - Discharge, DN - Nominal Diameter