

HOK

Sump Submersible Pumps - Horizontal

Construction

Submersible horizontal sump domestic series pumps give excellent performance with high degree of reliability. The hydraulic materials used prevent the impellers from clogging even after long stationary periods. High efficiency Volute casing produces excellent performance with high suction and delivery characteristics.

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 single phase 220V and for Three Phase 415V
- Voltage tolerances : +6% -15%
- Insulation class : B

Special features

- Total stainless steel motor body
- Easy to handle and install
- Low voltage operation
- 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

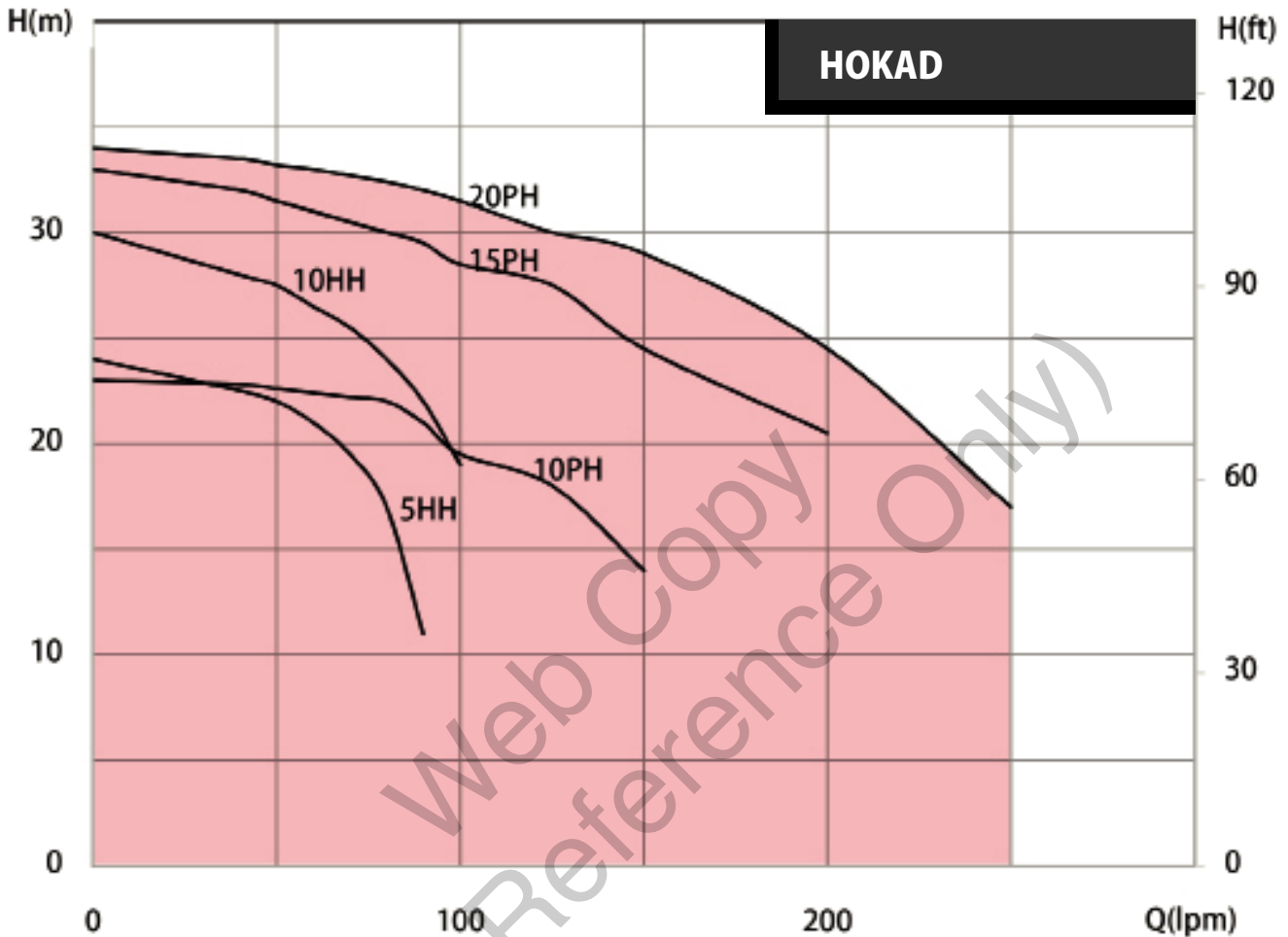


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Characteristic Curves

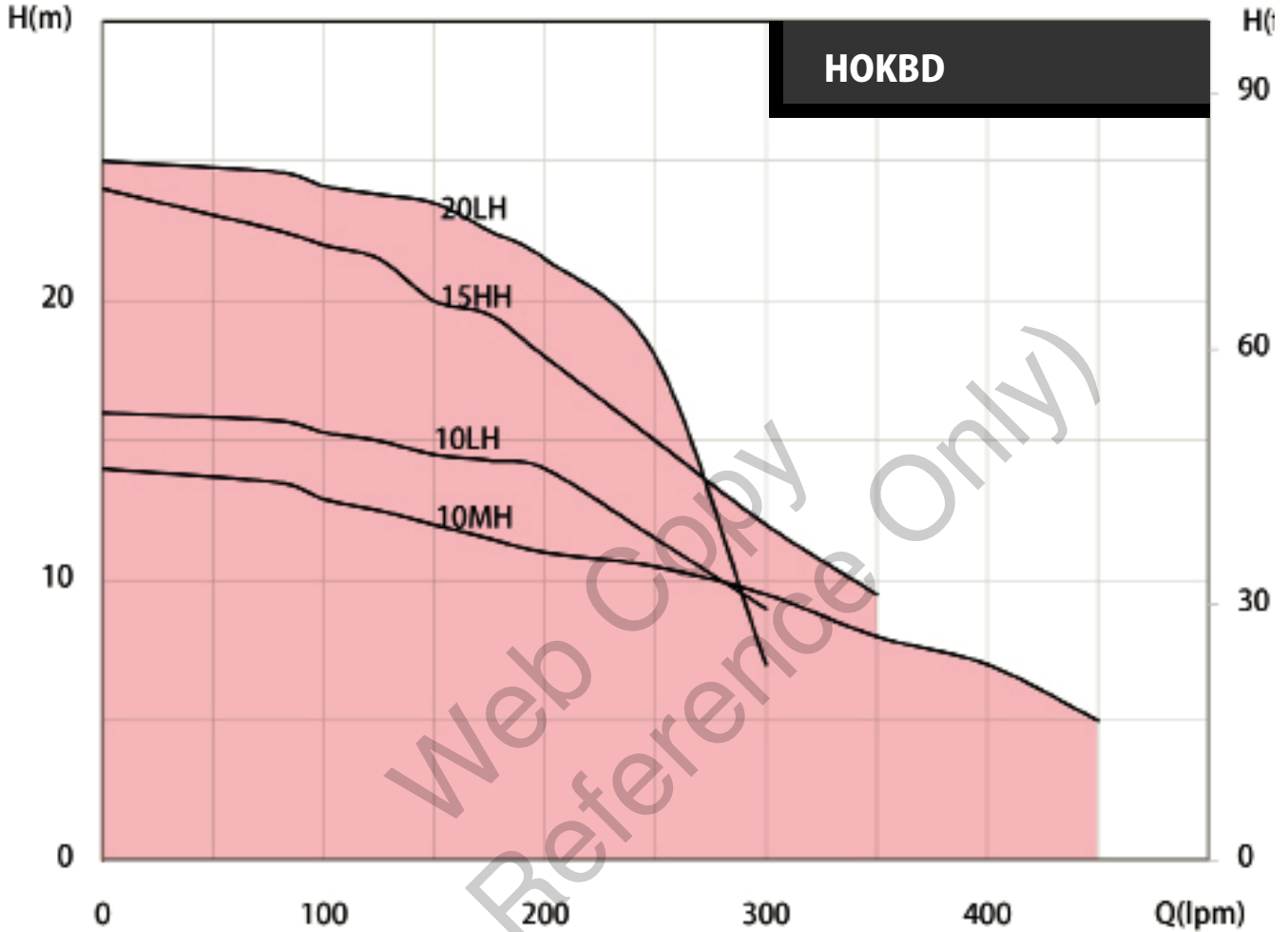


Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m ³ /hr	0	2.4	3	3.6	4.2	4.8	5.4	6	7.5	9	12	15	DNM
				Q - l/min	0	40	50	60	70	80	90	100	125	150	200	250	
HOKA5HH	0.5	0.37	M	Total Head in meters	24	22.5	22	21	19.5	17	11	-	-	-	-	-	25 x 25
HOKA10PH	1.0	0.75	M		30	28	27.5	26.5	25.5	24	22	19	-	-	-	-	32 x 25
HOKA10HH	1.0	0.75	M		23	22.8	22.6	22.4	22.2	22	21	19.5	18	14	-	-	32 x 25
HOKA15PH	1.5	1.1	M/T		33	32	31.5	31	30.5	30	29.5	28.5	27.5	24.5	20.5	-	40 x 32
HOKA20PH	2.0	1.5	M/T		34	33.5	33.2	33	32.7	32.4	32	31.5	30	29	24.5	17	50 x 40

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

Characteristic Curves



Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m ³ /hr													DNM
				0	4.8	6	7.5	9	10.5	12	15	18	21	24	27		
				Q - l/min													
				0	80	100	125	150	175	200	250	300	350	400	450		
HOKB10MH	1.0	0.75	M	Total Head in meters	16	15.7	15.3	15	14.5	14.3	14	11.5	9	-	-	-	40 x 32
HOKB10LH	1.0	0.75	M/T		14	13.5	12.9	12.5	12	11.5	11	10.5	9.5	8	7	5	40 x 40
HOKB15HH	1.5	1.10	M/T		24	22.5	22	21.5	20	19.5	18	15	12	9.5	-	-	50 x 40
HOKB20HH	2.0	1.5	M/T		25	24.6	24.1	23.8	23.5	22.5	21.5	18	7	-	-	-	50 x 40

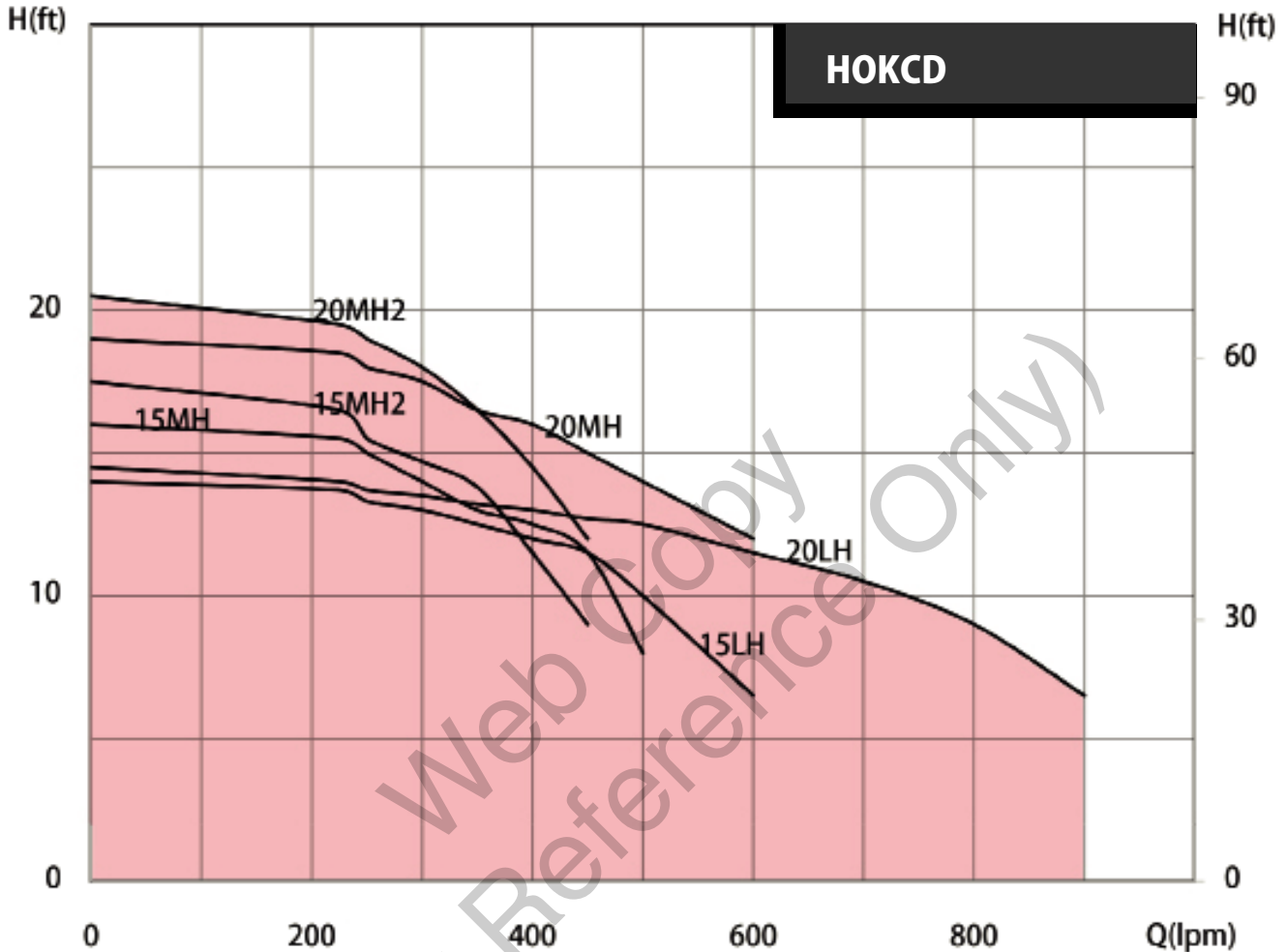
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Product Code	HP	kW	Phase	Q - m ³ /hr	0	13.5	15	18.0	21	24	27	30	36	42	48	54	SIZE IN mm
					Q - l/min	0	225	250	300	350	400	450	500	600	700	800	
HOKC15MH2	1.5	1.1	M/T	Total Head in meters	17.5	16.5	15.5	14.7	13.8	11.5	9	-	-	-	-	-	50 x 50
HOKC15MH	1.5	1.1	M/T		16	15.5	15	14	13	12.5	11.5	8	-	-	-	-	65 x 50
HOKC15LH	1.5	1.1	M/T		14	13.7	13.3	13	12.5	12	11.5	10	6.5	-	-	-	65 x 65
HOKC20MH2	2.0	1.5	M/T		20.5	19.5	19	18	16.5	14.5	12	-	-	-	-	-	50 x 50
HOKC20MH	2.0	1.5	M/T		19	18.5	18	17.5	16.5	16	15	14	12	-	-	-	65 x 50
HOKC20LH	2.0	1.5	M/T		14.5	14	13.7	13.5	13.2	13	12.7	12.5	11.5	10.5	9	6.5	80 x 65

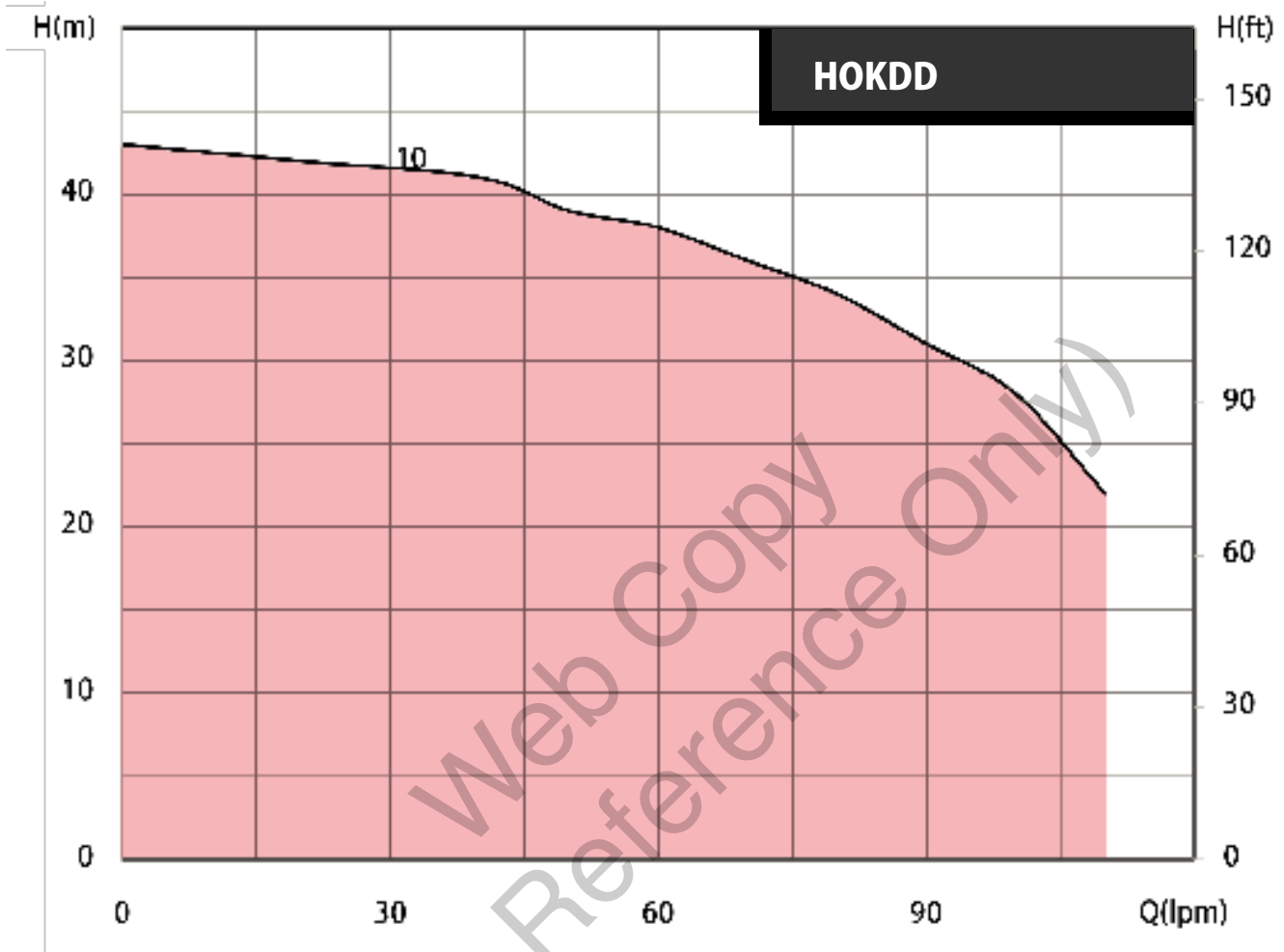
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Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m ³ /hr	0	1.2	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	DNM
				Q - l/min	0	20	40	50	60	70	80	90	100	110	
HOKDDCM10/2	1.0	0.75	M/T	Total Head in meters	43	42	41	39	38	36	34	31	28	22	25 x 25

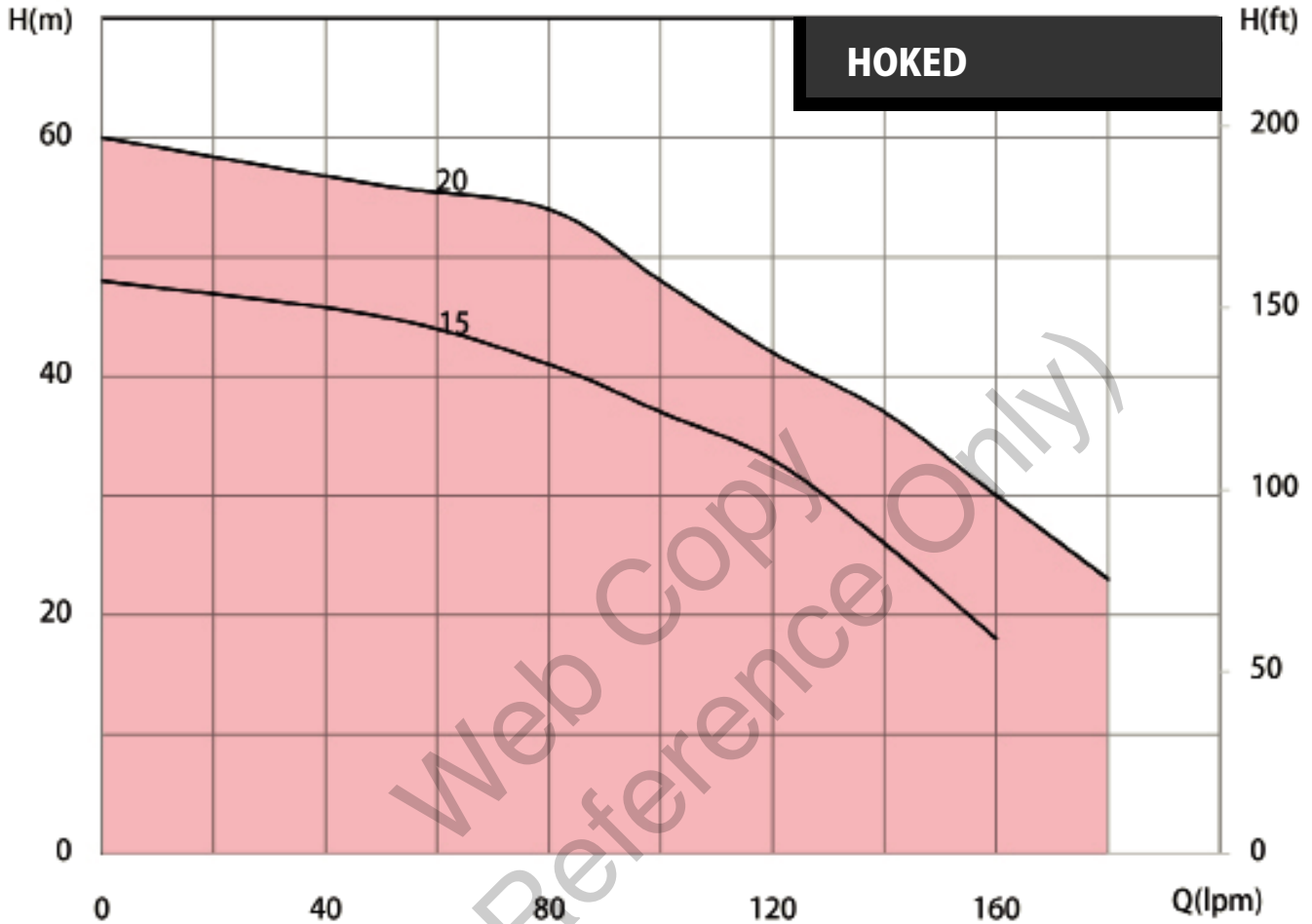
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Product Code	HP	kW	Phase	Q - m ³ /hr	0	3	4.8	6.0	7.2	8.4	9.6	10.8	DNM
				Q - l/min	0	50	80	100	120	140	160	180	
HOKEDCM15/2	1.5	1.1	M/T	Total Head in meters	48	45	41	37	33	26	18	-	32 x 32
HOKEDCM20/2	2.0	1.5	M/T		60	56	54	48	42	37	30	23	32 x 32

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