



Customer	Date	19.02.2021
Contact	Project	
Phone number	Project no.	
Email		

3HM05N07M6BQQE

Operating data

Pump type	Single head pump	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°F 39.2
Nominal flow	US g.p.m. 0	pH-value at t A	7
Nominal head	ft 0	Density at t A	lb/ft³ 62.4
Static head	ft 0	Kin. viscosity at t A	ft²/s 1.689E-5
Inlet pressure	psi 0	Vapor pressure at t A	psi 14.5
Environmental temperature	°F 68	Solids	0
Available system NPSH	ft 0	Altitude	ft 0

Pump data

Make	Goulds	Nominal	US g.p.m. ()
Speed	rpm 3500	Max-	US g.p.m. 23
No. of stages	5	Min-	US g.p.m.
Max. casing pressure	psi	Nominal	ft
Max. working pressure	psi 75.8	at Qmax	ft 77.9
Head H(Q=0)	ft 170	at Qmin	ft 174.8
Weight	lb 49	Shaft power	hp ()
		Max. shaft power	hp .9
		Efficiency	%
		NPSH 3%	ft

Pump Materials

Adapter	Aluminium
Bolts and screws	Stainless steel
Diffuser	Stainless steel
Fill / drain plugs	Stainless steel
Impeller	Stainless steel 316
Pump Body	Stainless steel
Seal Housing	Stainless steel
Shaft	Stainless steel
Wear Ring	Technopolymer (PPS)

Shaft Seal

Rotating Part	Silicon Carbide
Stationary Part	Silicon Carbide
Elastomers	EPDM
Springs	AISI 316
Other Components	AISI 316

Motor data

Specific design	Single phase surface motor		
Type	SM71HM..A/UL107		
Rated power	1 hp	Electric voltage	115 V
Speed	3445 rpm	Electric current	10.3 A
Frame size	56	Degree of protection	55
Colour	RAL 5010	Insulation class	155 (F)



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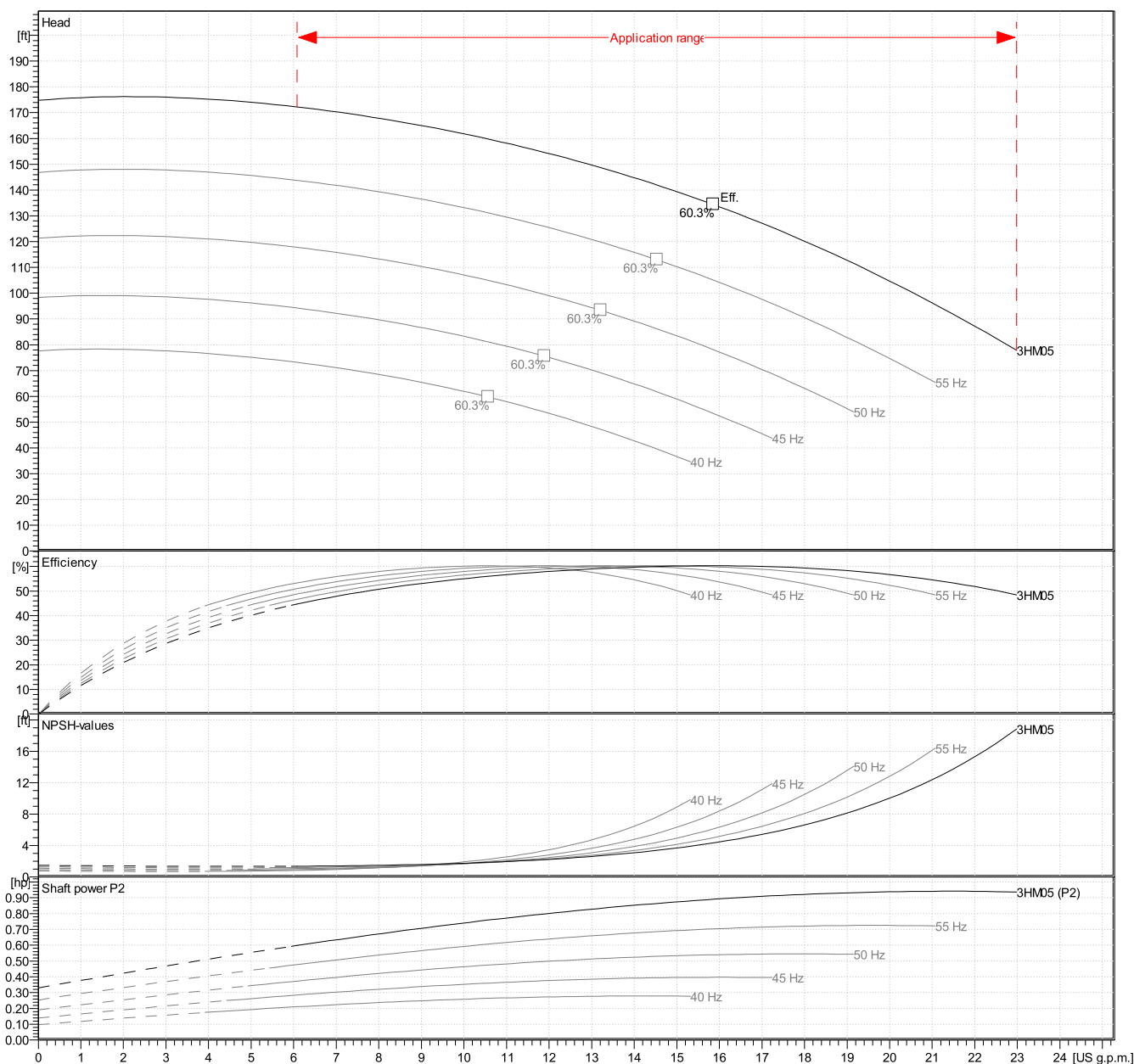
Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)	Impeller design	
Flow	0 US g.p.m.	Flow	Impeller R	3 1/8 inch
Head	0 ft	Head	Frequency	60 Hz
Static head	0 ft		Speed	3500 rpm

Power data referred to:

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

Performance according to ANSI/HI 14.6 - Grade 2B





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Drawing

3HM-S
 3HM-N
 100 l/min

3HM-A
 120 l/min

Dimensions:

- Front View:** L (Total Length), A (Motor Length), Rp 1 (Thread), 93 (Flange Thickness), D (Motor Diameter), 25 (Flange Width), 66 (Motor Width), 56 (Motor Width).
- Top View:** 149 (Motor Width), 125 (Motor Width), 90 (Motor Height), H (Total Height), 86 (Flange Width), 10 (Flange Thickness), 125 (Flange Width), 153 (Flange Width), 9 (Flange Thickness), 25 (Flange Width), 66 (Motor Width), 56 (Motor Width).
- Side View:** 150 (Motor Width), 125 (Motor Width), 90 (Motor Height), H (Total Height), 94 (Flange Width), 100 (Flange Width), 12.5 (Flange Thickness), 10 (Flange Thickness), 94 (Flange Width), 100 (Flange Width).

Dimensions:

- Front View:** L (Total Length), A (Motor Length), Rp 1 (Thread), 94 (Flange Thickness), D (Motor Diameter), 146 (Motor Width), 90 (Motor Height), H (Total Height), 140 (Motor Width), N (Motor Width), 140 (Motor Width).
- Top View:** 146 (Motor Width), 140 (Motor Width), 90 (Motor Height), H (Total Height), 140 (Motor Width), N (Motor Width), 140 (Motor Width), 14.5 (Flange Thickness), 45 (Flange Width), 165 (Flange Width), 140 (Flange Width), 10 (Flange Thickness), 12.5 (Flange Thickness), 10 (Flange Thickness), L1 (Flange Width), M (Flange Width), N (Flange Width), N1 (Flange Width), M1 (Flange Width).
- Side View:** 146 (Motor Width), 140 (Motor Width), 90 (Motor Height), H (Total Height), 140 (Motor Width), N (Motor Width), 140 (Motor Width), 14.5 (Flange Thickness), 45 (Flange Width), 165 (Flange Width), 140 (Flange Width), 10 (Flange Thickness), 12.5 (Flange Thickness), 10 (Flange Thickness), L1 (Flange Width), M (Flange Width), N (Flange Width), N1 (Flange Width), M1 (Flange Width).

Dimensions inch

A D H L Ref. Drawing	5 6 ¹ / ₈ 9 ¹ / ₈ 17 ¹ / ₆₄ X					Weight 48.501 lb
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