

Motor Data Sheet

Guaranteed values are noted in [brackets]

Specified Requirements & Frame Data

Power, HP:	1140	Frame:	880S
Service Factor:	1.00	Type:	CGZAO
Voltage:	2300	Rotor Construction:	Fabricated Copper Bar
Number of Phases:	3	Load Inertia (wk ²), lb-ft ² :	-
Frequency, Hz:	41.9	Rotor Inertia (wk ²), lb-ft ² :	2097
Ambient, °C:	40	Rotor Weight, lbs:	4631
Enclosure:	TEAO	Motor Weight, lbs:	20000
Poles:	4	Stator Temp. Rise, °C:	80 by RES @ 1SF
Elevation, ft:	3300	Sound Pressure Level:	88dBA @ 3ft, unloaded
Certification Agency:	CSA	Insulation Class:	F-VPI
		Bearing Type:	Sleeve

Performance Data

Open Circuit Time Constant, s:	2.142	Full Load Torque, lb-ft:	4790
Short Circuit (AC) Time Constant, s:	0.101	Breakdown Torque, %FLT:	251
X/R Ratio:	30.267		

Condition / Per-Unit Load:	Idle	0.25	0.50	0.75	1.00
% Efficiency:	N/A	92.7	95.3	95.9	95.9
% Power Factor:	4.8	56.7	77.2	84.2	86.7
Speed, RPM:	1257	1255	1254	1252	1250
Current, Amps:	77.8	101.5	145.1	198.3	256.8

% Rated Voltage:	100
Safe Stall Time, Motor Cold:	37 Seconds
Safe Stall Time, Motor Hot:	30 Seconds
Acceleration Time:	- Seconds

Shell					
Purchase Review & Comments shall not be construed to indicate either responsibility or liability for correct or compliance of this document or to alter any construction items or conditions.					
Project Order No.	804073308				
Project Name	Hot Pitch Tank				
Project Tag Number	RDP-62670 and RDP-62671				
Project Code	Design Code	Design Code	Design Code	Design Code	Design Code
Design Code	DB	TD	CR	CR	CR
Includes VDR (Code)					
Code 1	Accepted as Submitted - Final				
Code 2	Accepted with Comments. Incorporate comments (comment only). (Open and Re-submit as New Work) May Proceed.				
Code 3	Review and Re-submit. Incorporate comments. (Open and Re-submit. Work May Proceed.				
Code 4	Review not required - Do not re-submit.				
Code 5	Rejected. Incorporate comments (open and re-submit. Work may NOT Proceed.				
Date	Sgt				

Please Note: Suitable for Class 1, GRP C D , Div 2, Temp. 200°C, Oper. Code T3.
 Flood lube required: 1GPM/Brg, Heat Rejection 57.0 BTU/min/Brg
 Use a high quality Turbine Oil having an ISO VG 150 @120°F
 VFD Operation 0 To 41.9 Hz Constant Torque
 VFD Operation 41.9 To 53 Hz Constant Power
 Designed for operation and starting on VFD only. No DOL operation.

USER: Shell Oil Company
 LOCATION: Deer Park, TX
 PROJECT NAME: Hot Pitch Tanks
 SITE / PLANT: Shell Deer Park Refinery
 APPLICATION: Hot Pitch Pumps, Screw Type
 MOTOR TAG No.(s): RDP-62670 / 62671
 ITT Goulds PO 207782; Part 0057319-1-1

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