



Customer information packet

CSPM3305T

3HP, 1165RPM, 3PH, 60HZ, 213TC, 3740M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	213TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	NEMA_PREMIUM WEEE CURUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.500 A @ 460.0 V 9.000 A @ 230.0 V 9.800 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	-
Type	AC
Mech. spec.	37T653
Base	
Status	PRD/A
Elec. spec.	37WGT976
Layout	37LYT653
Eff. date	08-09-2024
CD Diagram	CD0005
Poles	06
Leads	9#14
Proprietary	False
Created date	11-28-2023

High Voltage Full Load Amps	4.5 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.19 IN
Power Factor	70
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1165 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

AC Induction Motor Performance Data

Record # 100921

Typical performance - not guaranteed values

Winding: 37WGT976-R019		Type: 3740M		Enclosure: ODP	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	3	Full Load Torque	13.48 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	9/4.5	Breakdown Torque	48.2 LB-FT		
R.P.M.	1165	Pull-up Torque	32.3 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	39.1 LB-FT	
NEMA Design Code	B KVA Code	K	Starting Current	33.8 A	
Service Factor (S.F.)		1.15	No-load Current	2.48 A	
NEMA Nom. Eff.	90.2 Power Factor	70	Line-line Res. @ 25°C	2.44 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	34°C	
S.F. Amps	10/5		Temp. Rise @ S.F. Load	40°C	
			Locked-rotor Power Factor	22.4	
			Rotor inertia	0.995 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	50	62	69	73	76	71
Efficiency	81.8	88.7	90.4	90.2	89.6	87.7	89.8
Speed	1191	1184	1177	1170	1160	1150	1164
Line amperes	2.69	3.14	3.77	4.5	5.36	6.34	5.02

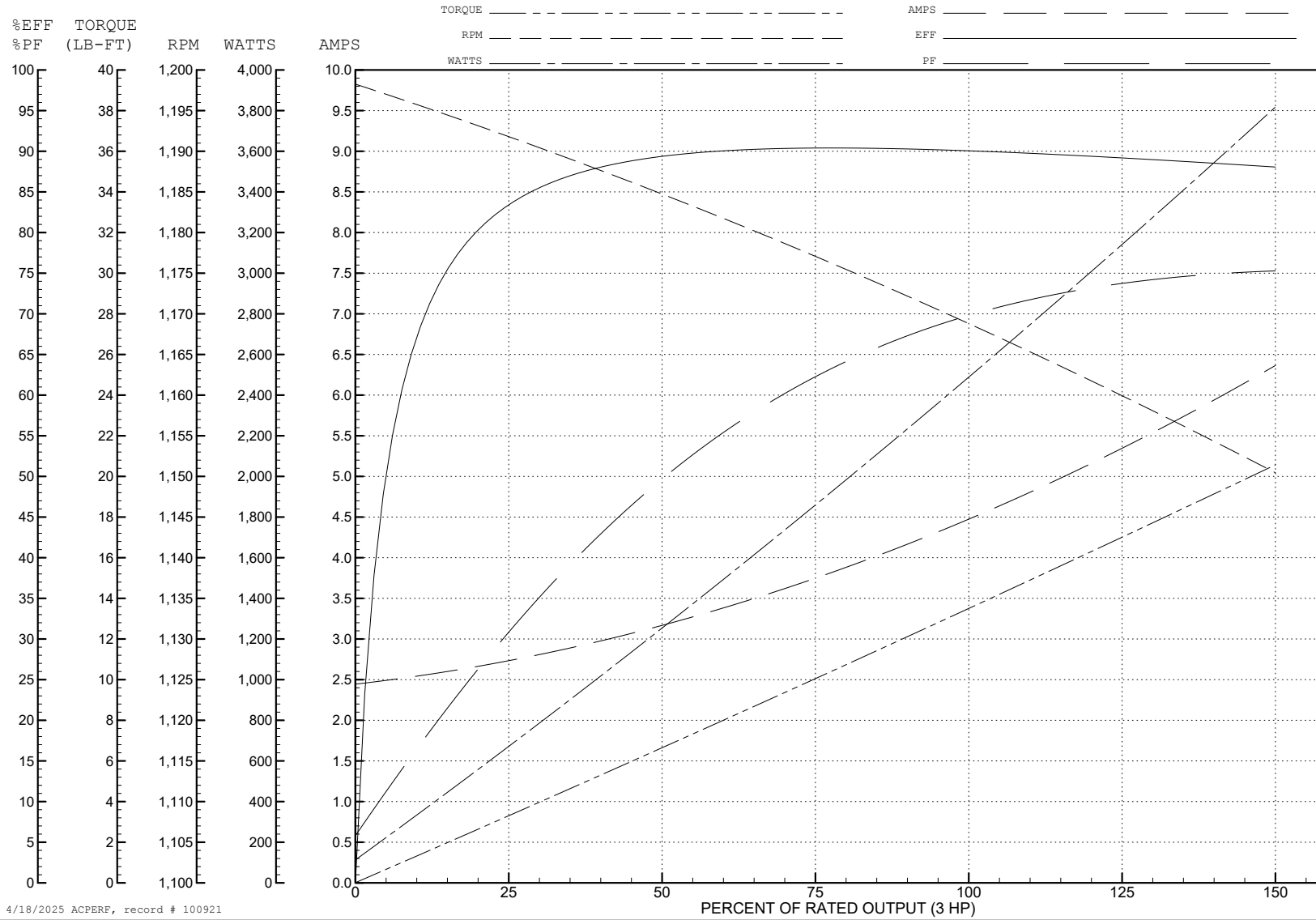
ABB Motors and Mechanical Inc.

WINDING # 37WGT976

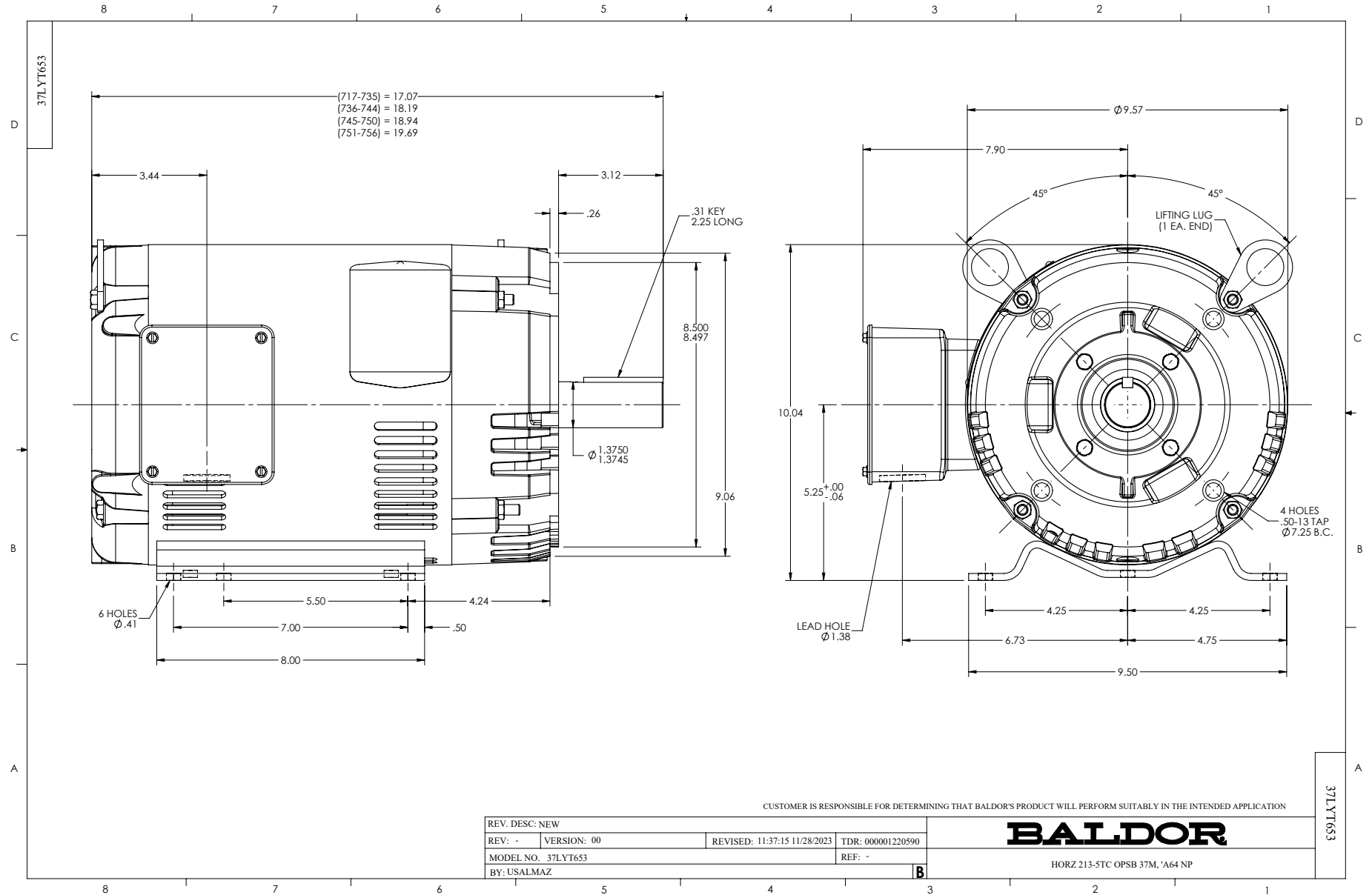
3 HP 3 PH 60 HZ 1165 RPM 460 V 3740M

Typical performance - not guaranteed values.

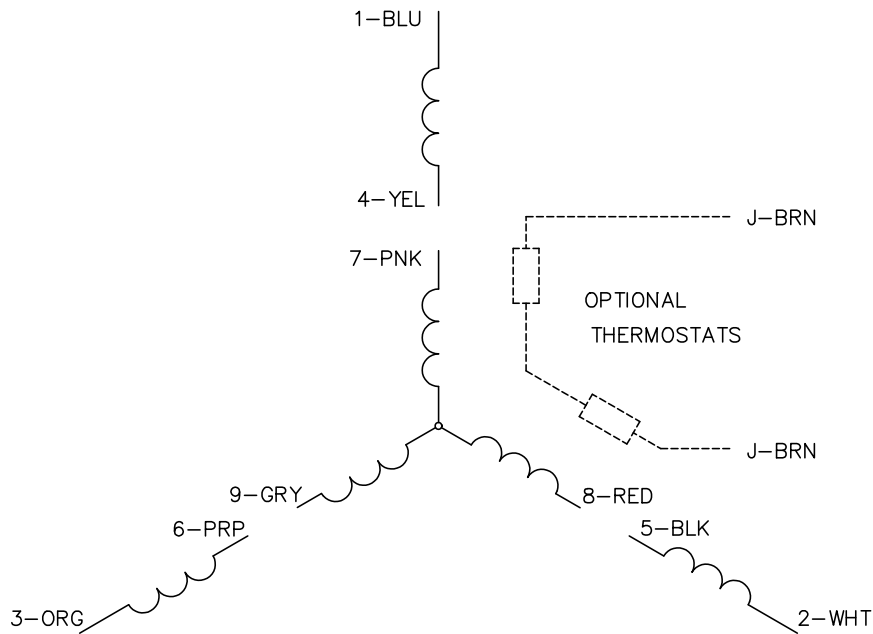
TORQUES (LB-FT): PO=48.2 PU=32.3 LR=39.1 LRA=33.8



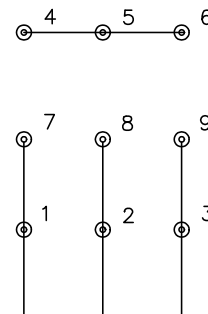
4/18/2025 ACPERF, record # 100921



CD0005

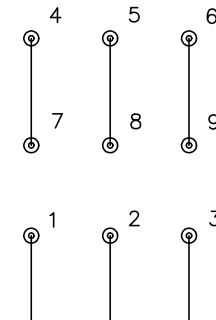


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS