

ABB BALDOR RELIANCE III

Customer information packet

FPM2516T-5

25HP, 3520RPM, 3PH, 60HZ, 256T, 3934M, ODP, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	256T
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	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UL CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	23.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	23.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	J
Type	AC
Mech. spec.	39D101
Base	
Status	PRD/A
Elec. spec.	39WGX988
Layout	39LYD101
Eff. date	12-12-2025
CD Diagram	CD0382
Poles	02
Leads	6#10
Proprietary	False
Created date	07-20-2016

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3934M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	21.69 IN
Power Factor	88
Product Family	Fire Pump Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3520 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3454L														
CAT.NO.	FPM2516T-5				CUST P/N				I.P.				23	
SPEC.	39D101X988H2				SER.NO.				FRAME				256T	
HZ	60	HP	25		RPM	3520		HZ		HP			RPM	
VOLTS	575				CODE	G		VOLTS					CODE	
AMPS	23				DES	B		AMPS					DES	
EFF	91	SER.F.		1.15		PF	88	EFF				SER.F.	PF	
RATING	40C AMB-CONT					DE BRG	6309				GREASE	POLYREX EM		
BLANK						ODE BRG	6208				MTR. WT.	223		
						CLASS	F			PH	3			
						ENCL	ODP			CC	010A			
HTR-VOLTS			HTR-AMPS				HTR-WATTS							

AC Induction Motor Performance Data

Record # 58297

Typical performance - not guaranteed values

Winding: 39WGX988-R001			Type: 3934M		Enclosure: OPSB			
Nameplate Data			575 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		25	Full Load Torque		37.5 LB-FT			
Volts		575	Start Configuration		direct on line			
Full Load Amps		23	Breakdown Torque		111 LB-FT			
R.P.M.		3520	Pull-up Torque		41.2 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		50.7 LB-FT		
NEMA Design Code		B	KVA Code	G	Starting Current		142 A	
Service Factor (S.F.)		1.15	No-load Current		6.92 A			
NEMA Nom. Eff.		91	Power Factor		88	Line-line Res. @ 25°C		0.67 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		40°C		
S.F. Amps				Temp. Rise @ S.F. Load		50°C		
				Locked-rotor Power Factor		29.9		
				Rotor inertia		0.868 LB-FT2		

Load Characteristics 575 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	78	86	88	89	89	89
Efficiency	90.1	92.7	92.4	91.5	90.3	88.8	90.8
Speed	3584	3565	3543	3520	3493	3463	3504
Line amperes	9.05	12.9	17.9	23.3	29.4	35.9	27

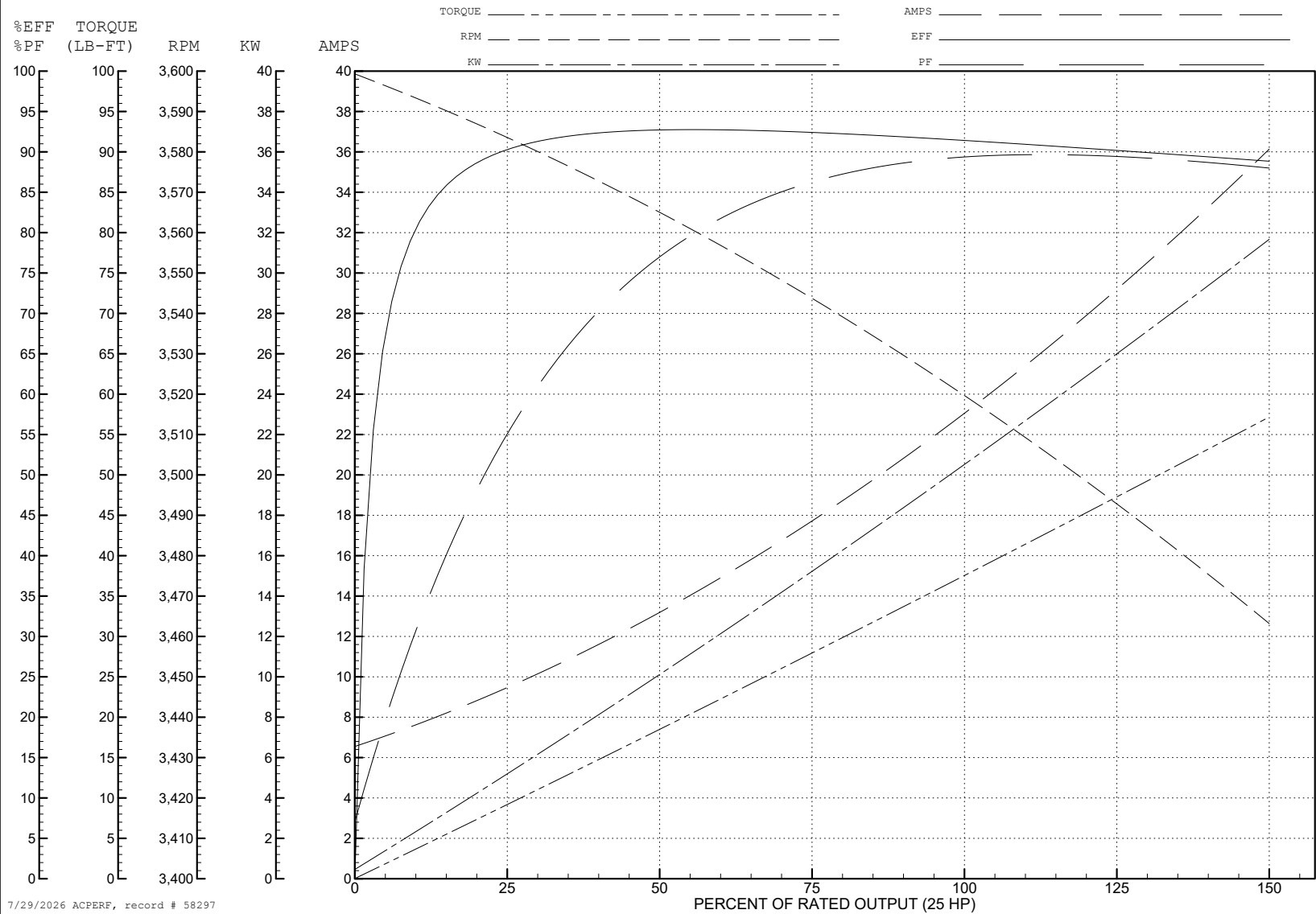
ABB Motors and Mechanical Inc.

WINDING # 39WGX988

Typical performance - not guaranteed values.

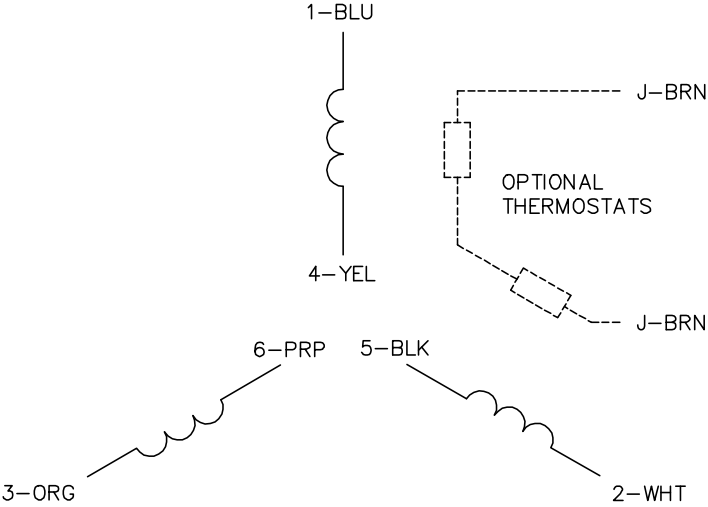
25 HP 3 PH 60 HZ 3520 RPM 575 V 3934M

TORQUES (LB-FT): PO=111 PU=41.2 LR=50.7 LRA=142

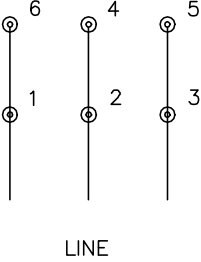




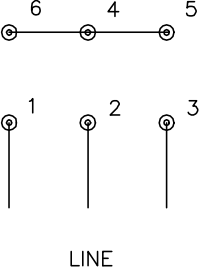
CD0382



RUN CONNECTION
(1D)



START CONNECTION
(1Y)



- 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.
 - 5. FOR ACROSS-THE-LINE STARTING, USE 'RUN' CONNECTION.

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: F	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\243	REVISED: 09:05:32 02/19/2019	BY: ENBRIRO
MTL: —		

BALDOR - RELIANCE®

3PH, SV, 6 LEADS, Y START/D RUN
SH 1 of 1

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