

ABB BALDOR RELIANCE III

Customer information packet

CTM3770T

7.5 AIR OVERHP, 1760RPM, 3PH, 60HZ, 213T, 073

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	213T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA UR
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	20.900 A @ 208.0 V 20.000 A @ 230.0 V 10.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	B
Type	AC
Mech. spec.	07N391
Base	
Status	PRD/A
Elec. spec.	07WGT575
Layout	07LYN391
Eff. date	06-06-2024
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	03-21-2023

High Voltage Full Load Amps	10.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0730M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.54 IN
Power Factor	79
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 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

Nameplate

NP1258	
CAT.NO.	CTM3770T
SPEC.	07N391T575H1
HP	7.5 AIR OVER
VOLTS	208-230/460
AMP	20.9-20/10
RPM	1760
FRAME	213T HZ 60 PH 3
SER.F.	1.15 CODE H DES A CL F
NEMA-NOM-EFF	89.5 PF 79
RATING	40C AMB-CONT
CC	
DE	6307 ODE 6206
ENCL	TEAO SN
	1700 FPM 170 CFM

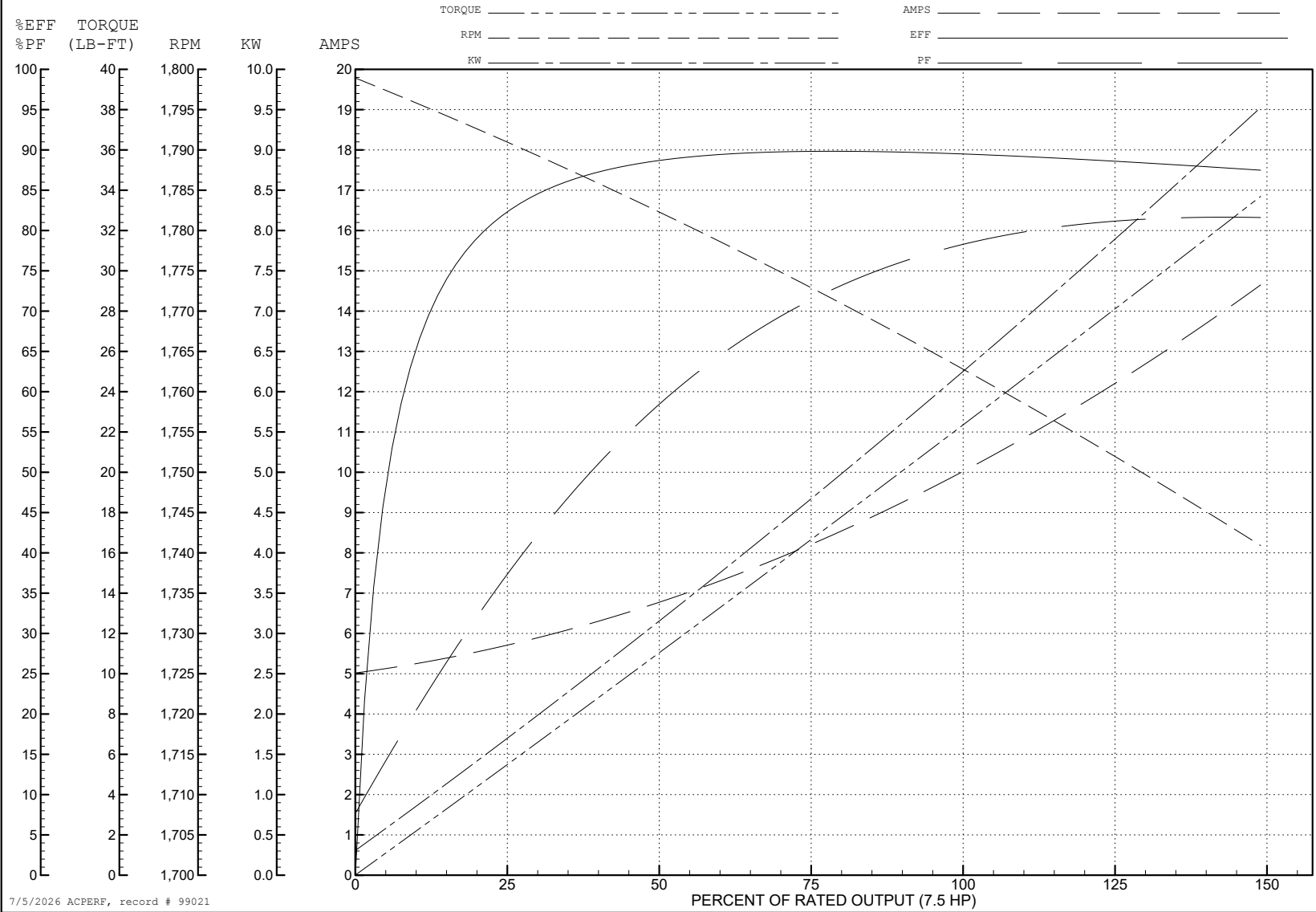
ABB Motors and Mechanical Inc.

WINDING # 07WGT575

7.5 HP 3 PH 60 HZ 1760 RPM 460 V 0730M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=65.3 PU=29 LR=43.2 LRA=66.1



7/5/2026 ACPERF, record # 99021

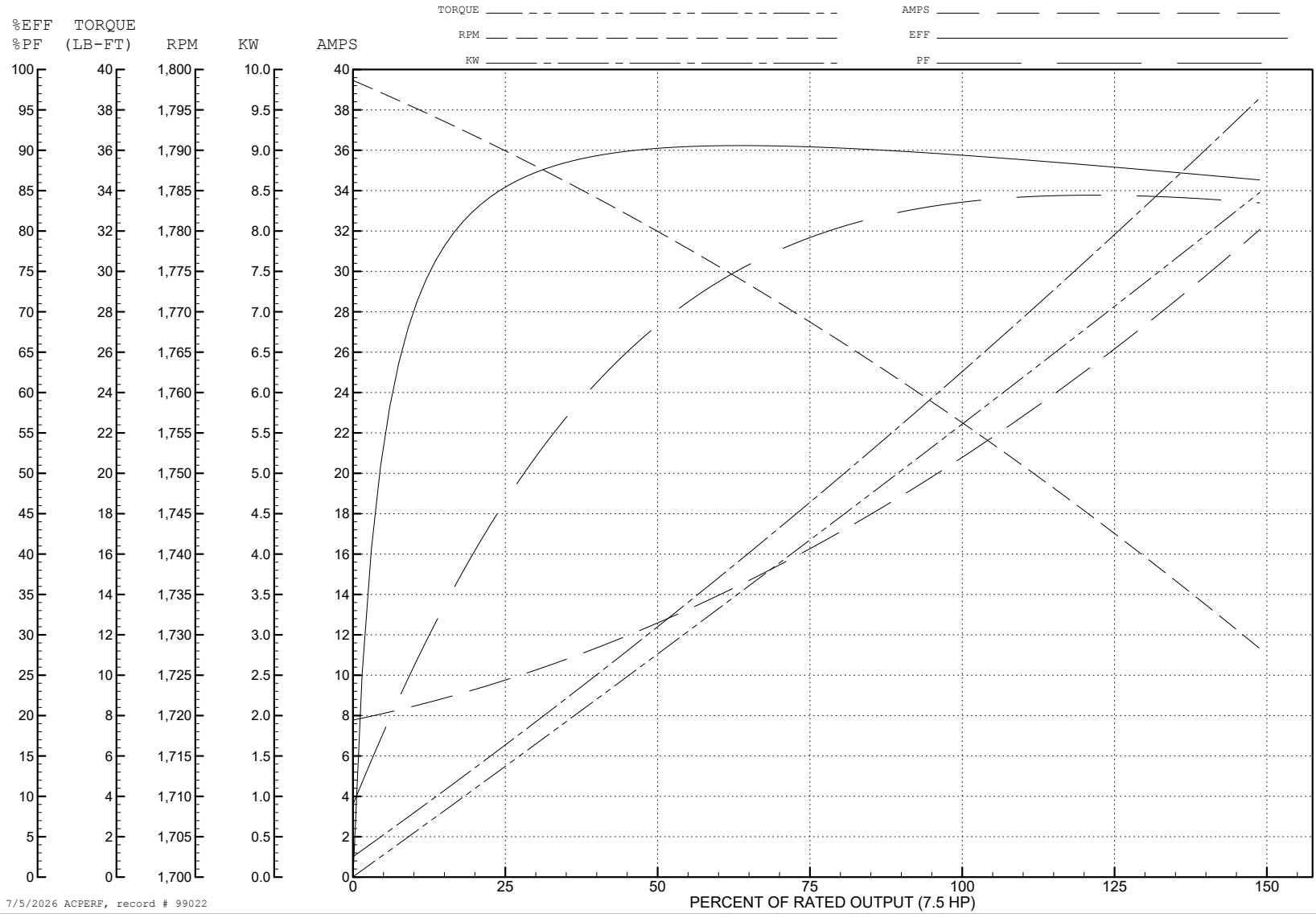
ABB Motors and Mechanical Inc.

WINDING # 07WGT575

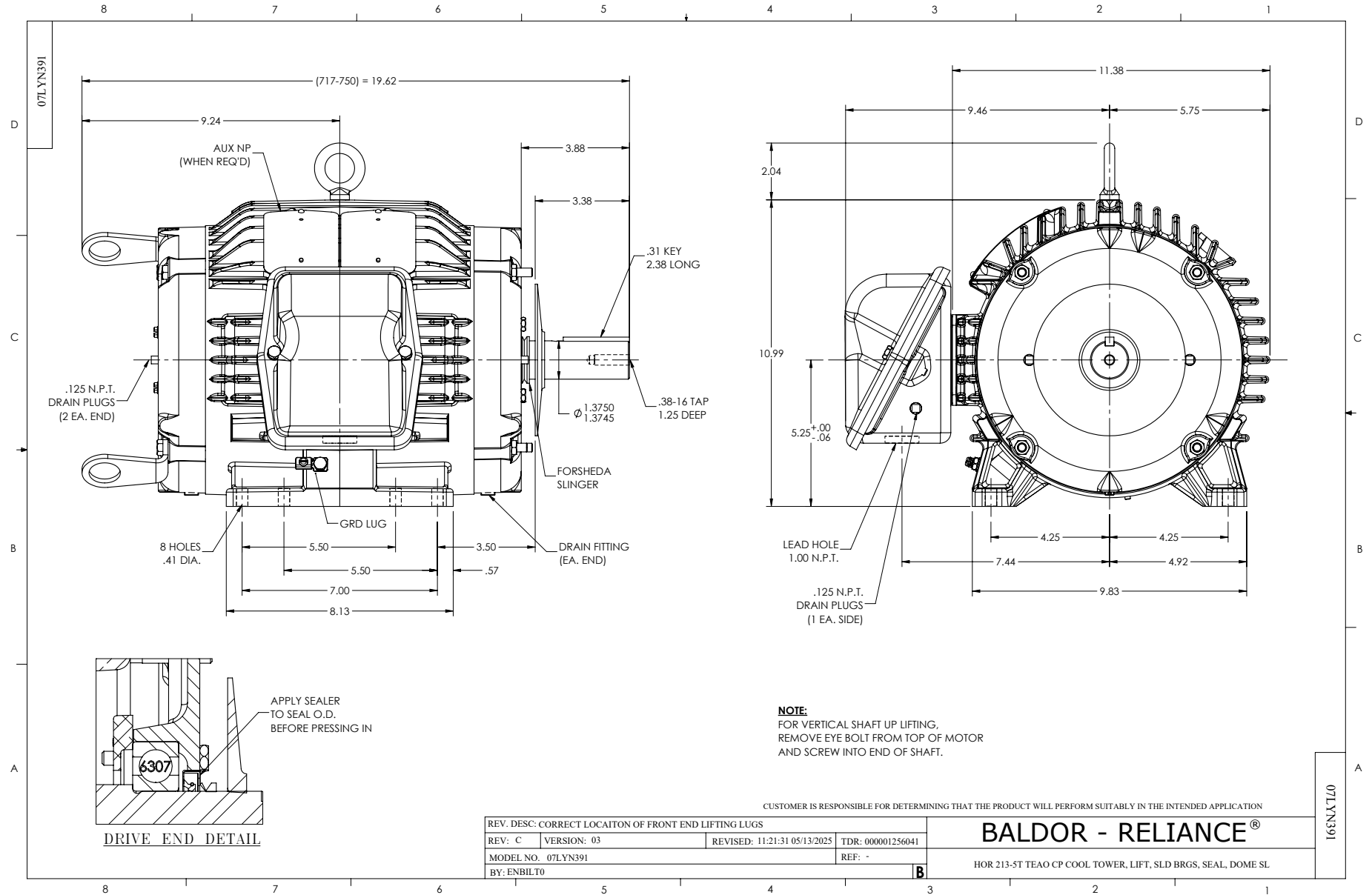
Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1760 RPM 208 V 0730M

TORQUES (LB-FT): PO=52.6 PU=26.5 LR=38 LRA=117



7/5/2026 ACPERF, record # 99022



CD0005

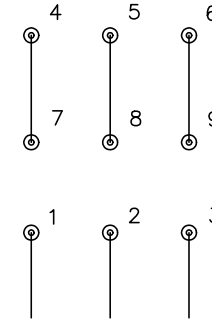


LOW VOLTAGE
(2Y)



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

500000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS