

HARSH ENVIRONMENT

MOTORS

Sabre XT for Harsh Environments

Reliance Sabre XT are built to last longer in severe atmospheres associated with Paper Making, Petrochemical Processing, Metals Conversion and other tough manufacturing environments. Sabre XT motors run year after year in these demanding applications with minimum expensive downtime.



Features:

- Enclosure IP Code: Totally Enclosed-IP54
- Definition: Extra-tough motors that meet or exceed EPA efficiency levels.
- Warranty: 24 months from date of Manufacture / 12 months from date of installation
- Nameplate certifications: CE, CSA, UR, IEEE45

- Insulation Class F
- Service factor 1.15
- Temperature Rise Class B

Application Information:

- Extra-Tough motors with heavy steel plate construction and additional key features for long life in moist, contaminated environments such as chemical plants, petroleum refineries and paper mills.

- Conduit Box: Oversized, Top mounted with F1 & F2 lead outlets.
- Bearing Type: Double sealed, permanently lubricated ball bearings.
- Bearing Protection: Lip Seals on both ends of the motor
- Shaft Material: High Strength Carbon Steel
- Nameplate Material: Adhesive Mylar
- Drain type & location: TEFC has T drain in drive end shield and weep hole in opposite drive end. TENV has T drains both ends.

Electrical Characteristics:

- Phase single and three
- Frequency 60hz
- Ambient 40 degrees C
- Duty Cycle Continuous

Construction Features 56-140T Frames:

- Materials: Coated Steel frame, conduit box and fan shroud. Cast iron end shields.

Sabre XT Ratings and Model Numbers

HP	RPM	Voltage	Frame	Enclosure	Foot Mounted Model Number	C Face with Base	C Face Less Base
1/3	1800	208-230/460	56	TENV-XT	P56H5406	P56H5419	P56H5432
1/3	1200	230/460	56	TENV-XT	P56X3825	P56X3953	P56H5436
1/2	3600	230/460	56	TENV-XT	P56H5402	P56H5415	P56H5428
1/2	1800	208-230/460	56	TEFC-XT	P56H5407	P56H5420	P56H5433
1/2	1200	230/460	56	TENV-XT	P56X3821	P56H5424	P56H5437
3/4	3600	208-230/460	56	TEFC-XT	P56H5403	P56H5416	P56H5429
3/4	1800	208-230/460	56	TEFC-XT	P56H5408	P56H5421	P56H5434
3/4	1200	208-230/460	56	TEFC-XT	P56X350	P56H4863	P56X4866
1	3600	208-230/460	56	TEFC-XT	P56H5404	P56H5417	P56H5430
1	1800	230/460	56	TENV-XT	P56H3932	P56H3927	P56H3901
1	1200	230/460	56	TEFC-XT	P56X351	P56H4864	P56H4867
1.5	3600	208-230/460	56	TEFC-XT	P56H3933	P56H3963	P56H3939
1.5	1800	230/460	56	TEFC-XT	P56H3934	P56H3959	P56H3958
2	3600	230/460	56	TEFC-XT	P56H3906	P56X3942	P56H3904
2	1800	230/460	56	TEFC-XT	P56H3928	P56X3948	P56H3929

✓ Aggregate/Cement

Food

✓ Mining

✓ Forest/Paper

✓ Petro/Chem

Unit/Baggage Handling

✓ HVAC/Industrial Air Handling

✓ Environmental/Fluid Power

✓ Automotive

✓ Metals

Nuclear

Sabre XT Torque Ratings

HP	RPM	Frame	FLA	Locked Amps	CODE	NOM eff	Power Factor Full Load	FL Torque OZ. FT	BD Torque OZ. FT	PU Torque OZ. FT.	LR Torque OZ. FT.
1/3	1800	56	1.4	8.1	L	74.9	59.9	16.4	70	62	62
1/2	3600	56	1.6	12.2	N	72.7	81.1	12	45.3	30.7	37.3
1/2	1800	56	1.1	5.9	L	68.9	63.5	24.9	92	60	64
3/4	3600	56	2.5	14.5	J	70	75	18.1	60	40	40
3/4	1800	56	1.3	7.5	J	74.6	71.7	36.1	114	86.6	93
3/4	1200	143t	2.9	14.3	J	74	66	41.2	120	93	93
1	3600	56	3	20	J	78	82	24.7	80	48	48
1	1800	56	1.4	9.5	J	85.6	78.9	37.4	114	69.6	75
1.5	3600	56	4.1	32.5	H	79.5	84.6	35.9	131	91	100
1.5	1800	56	2.8	15.8	K	78.5	64.7	54.2	200	150	177
2	3600	56	5.7	45.4	L	79.7	84.3	36.48	132	102	112
2	1800	56	3.1	21	J	81.8	74.6	73.2	252	192	201

www.baldor.com www.ptplace.com www.dodge-pt.com www.reliance.com



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