



Cat[®] CST30

DRIVE SYSTEM

Specifications

Typical Application

Chain Type Longwall Machinery like **Armored Face Conveyors (AFC)**

Maximum Output Torque (for 3 sec) T_{max} [N·m]

Model	Maximum Output Torque [N·m]	Maximum Output Torque [lb/ft]
KP-30/P-30 CST	300 000 N·m	221,269 lb/ft

Ratio i [-]	Rated Power P (n = 1,485 rpm) [kW]	Rated Power P (n = 1,782 rpm) [hp]
16	500 kW	816 hp
21	500 kW	816 hp
24.4	500 kW	816 hp
28	500 kW	816 hp
33	500 kW	816 hp
39	435 kW	710 hp
50	400 kW	653 hp

Dimensions

Model	Length	Width	Height
KP-30 CST	2280 mm	1180 mm	900 mm
	89.8 in	46.5 in	35.4 in
P-30 CST	1400 mm	960 mm	900 mm
	55.1 in	37.8 in	35.4 in

Capacity

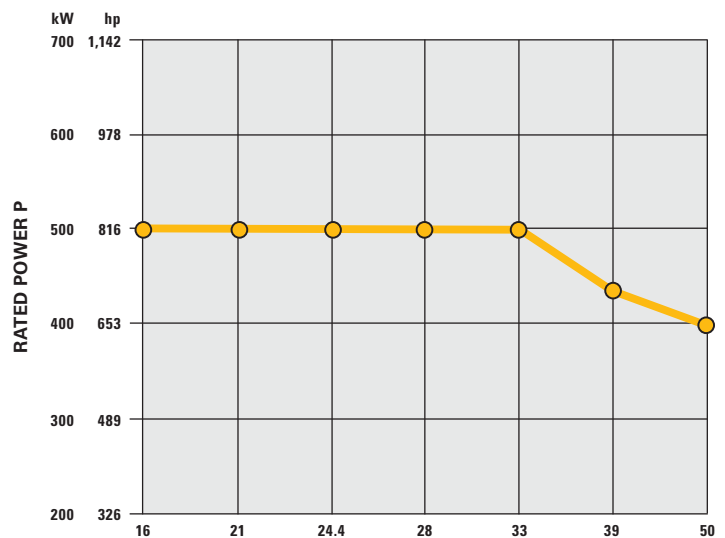
Model	Oil Quantity	Gearbox Weight (without oil)
KP-30 CST	500 L	5800 kg
	132 gal	12,783 lb
P-30 CST	250 L	3900 kg
	66 gal	8,596 lb

Requirements of Cooling Water

Required Cooling Water	20 L/min	5.28 gal/min
Maximum Water Inlet Temperature	25° C/298.15 K	77° F/298.15 K

Shaft Design

Input Shaft (cylindrical)	DIN 5480-W 100×4×30×24
Output Shaft with Internal Tothing	DIN 5480-N 220×10×30×20



GEARBOX RATIO i [-]
Rated Power P [hp] @ 60 Hz
Rated Power P [kW] @ 50 Hz

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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