

Cat[®] CST115

DRIVE SYSTEM

Specifications

Typical Application

Chain Type Longwall Machinery like Armored Face Conveyors (AFC)

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

KP-115 CST/P-115 CST 1 150 000 N·m 848,196 lb/ft

Rated Power P

Ratio i [-]	Rated Power P (n = 1,485 rpm)	Rated Power P (n = 1,782 rpm)
39	1800 kW	2,937 hp
46	1800 kW	2,480 hp

Dimensions

KP-115 CST

Dimension	mm	in
Length	3600	141.6
Width	2029	79.8
Height	1300	51.1

P-115 CST

Dimension	mm	in
Length	2811	110.6
Width	1400	55.1
Height	1300	51.1

Capacity

KP-115 CST

Oil Quantity	1300 L	212 gal
Gearbox Weight (without oil)	23 980 kg	52,851 lb

P-115 CST

Oil Quantity	700 L	132 gal
Gearbox Weight (without oil)	16 400 kg	36,145 lb

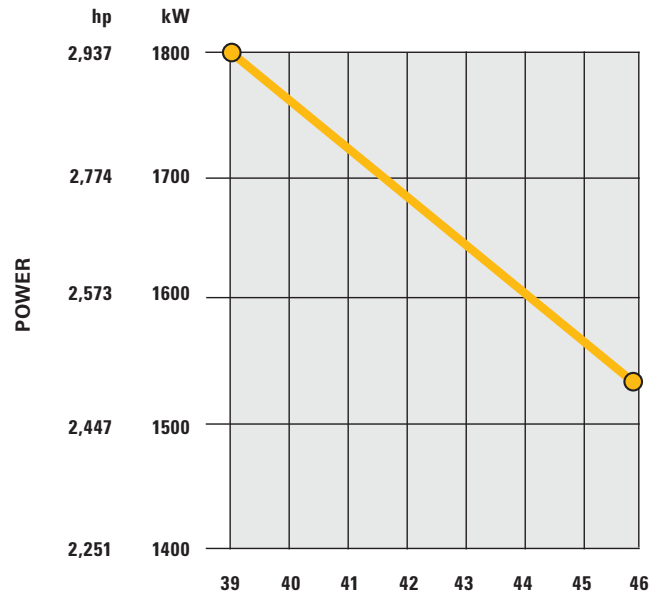
Requirements of Cooling Water

Required Cooling Water Quantity	90 L/min	23.8 gal/min
Maximum Water Inlet Temperature	25° C/298.15 K	77° F/298.15 K

Shaft Design

Input Shaft (cylindrical) DIN 5480-W 140×4

Output Shaft with Internal Tothing DIN 5480-N 360×10



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

CST115 Drive System

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

AEHQ6880 (02-13)

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