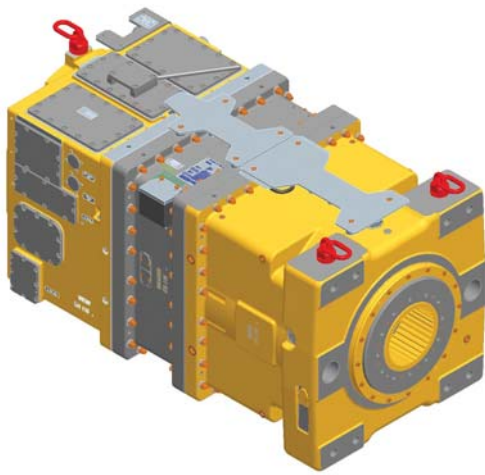




Cat[®] CST115

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

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

P-115 CST

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

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

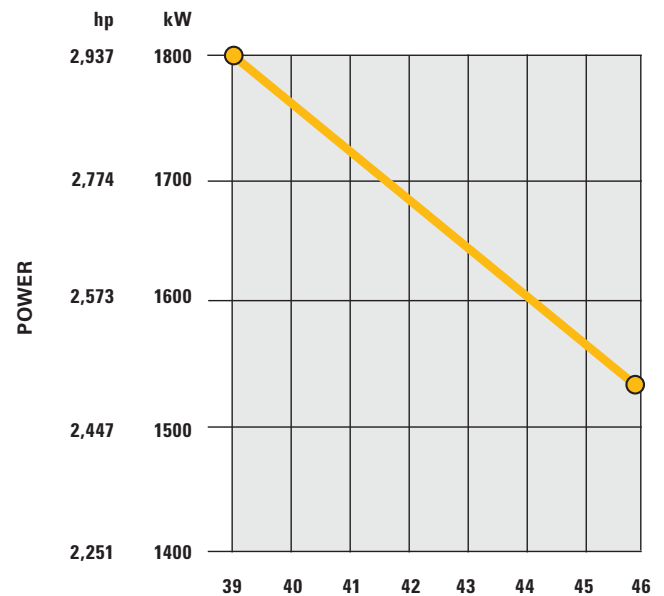
Shaft Design

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

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