

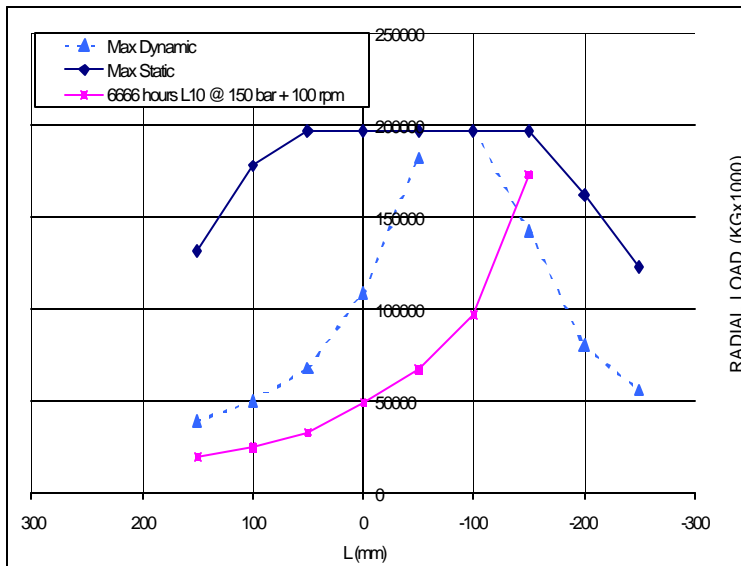
TECHNICAL DATA SHEETS

RADIAL LOAD CAPACITY

Rotary Power **XK20** Drum Brake

1,2	3,4	5	6,7	8	9	10
XK	20	-	--	E	A/C/H	1

STANDARD DUTY



For Combined F_a & F_r Dynamic:

$$F_{rmax} = \frac{(\text{Graph Max Dynamic Load}) - (F_a \times R)}{(L + 102)} \text{ ---- [N]}$$

where; F_a = Axial Load --- [N]

L = Axial Offset (see "Dimensions") ---- [mm]
(+ve is outboard of drum flange)

R = Wheel Rolling Radius ---- [mm]

F_a ($F_r = 0$);

Max Dynamic 25 KN

Max Static 30 KN

In Both Directions

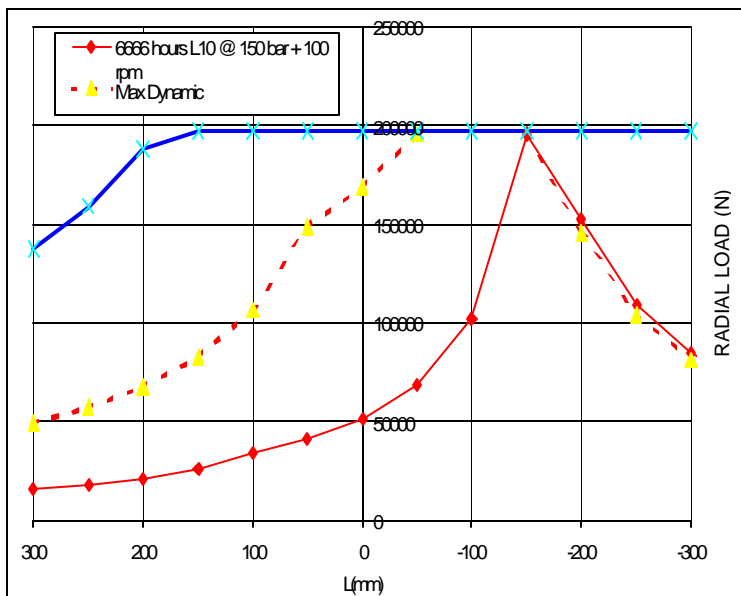
Graph L10 Values;

For any motor speed :-

$$L10 = \frac{6666 \times [100\text{rpm}]}{[\text{New Speed rpm}]} \text{ ----- hours}$$

1,2	3,4	5	6,7	8	9	10
XK	20	-	--	E	A/C/H	3

HEAVY DUTY



For Combined F_a & F_r Dynamic:

$$F_{rmax} = \frac{(\text{Graph Max Dynamic Load}) - (F_a \times R)}{(L + 73)} \text{ ---- [N]}$$

where; F_a = Axial Load --- [N]

L = Axial Offset (see "Dimensions") ---- [mm]
(+ve is outboard of drum flange)

R = Wheel Rolling Radius ---- [mm]

F_a ($F_r = 0$);

Max Dynamic 25 KN

Max Static 30 KN

In Both Directions

Graph L10 Values;

For any motor speed:-

$$L10 = \frac{6666 \times [100\text{rpm}]}{[\text{New Speed rpm}]} \text{ --- hours}$$