

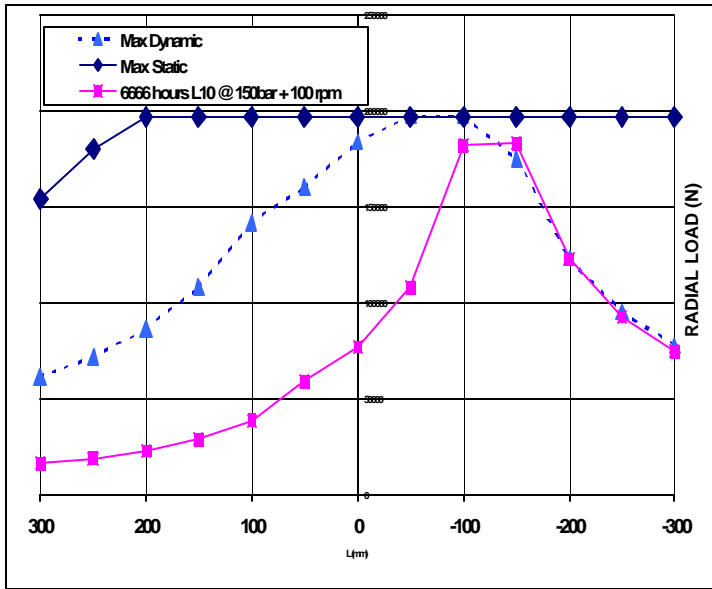
TECHNICAL DATA SHEETS

RADIAL LOAD CAPACITY

Rotary Power **XK40** Wheel Flange

1,2	3,4	5	6,7	8	9	10
XK	40	-	--	E	N	1

STANDARD DUTY



For Combined F_a & F_r Dynamic:

$$F_{rmax} = \frac{(\text{Graph Max Dynamic Load}) - (F_a \times R)}{(L + 47)} \text{----[N]}$$

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

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

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

F_a ($F_r = 0$):

Max Dynamic 30 KN

MaxStatic 38 KN

In Both Directions

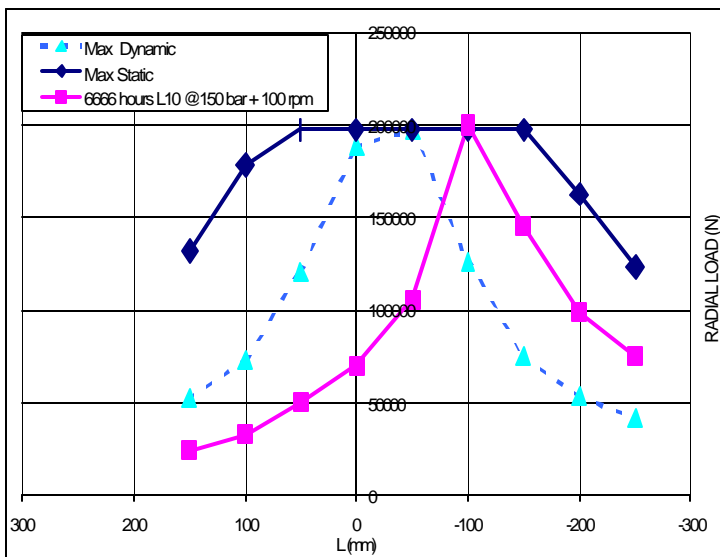
Graph L10 Values:

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	40	-	--	E	N	3

LIGHT DUTY



For Combined F_a & F_r Dynamic:

$$F_{rmax} = \frac{(\text{Graph Max Dynamic Load}) - (F_a \times R)}{(L + 43)} \text{----[N]}$$

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

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

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

F_a ($F_r = 0$):

Max Dynamic 30 KN

MaxStatic 38 KN

In Both Directions

Graph L10 Values:

For any motor speed:-

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