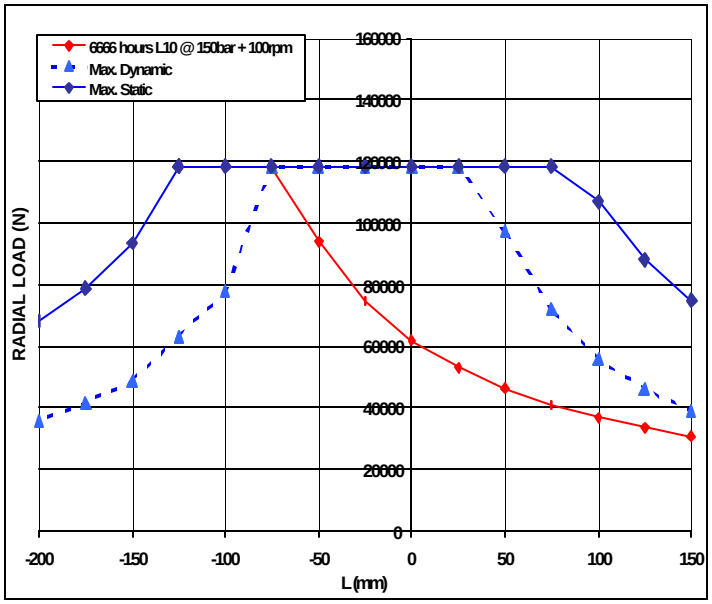
TECHNICAL DATA SHEETS

RADIAL LOAD CAPACITY

Rotary Power XK12 Wheel Flange

1,2	3,4	5	6,7	8	9	10
XK	12	-	--	E	N	1

STANDARD DUTY



For Combined Fa & Fr Dynamic;

Frmax = (Graph Max Dynamic Load) - (Fa x R) ----[N]
(L + 25)

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

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

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

Fa (Fr = 0);

Max Dynamic 25 KN

Max Static 30 KN

In Both Directions

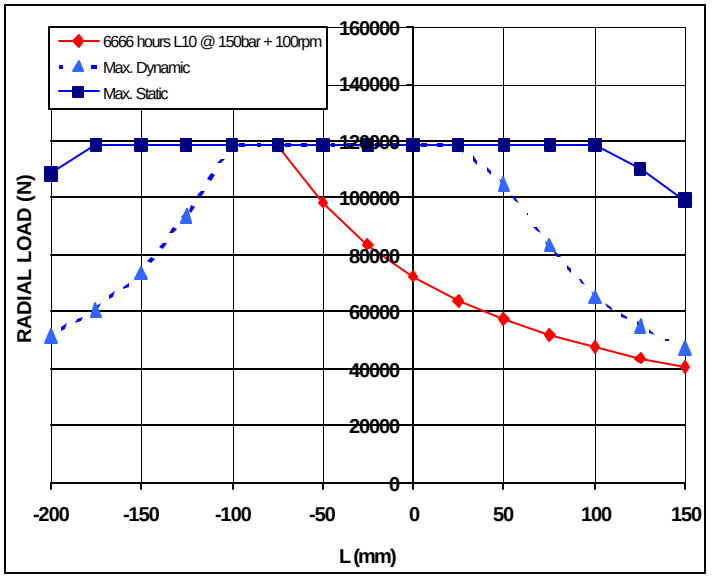
Graph L10 Values;

For any motor speed :-

L10 = 6666 * [100rpm] ------ hours
[New Speed rpm]

1,2	3,4	5	6,7	8	9	10
XK	12	-	--	E	N	2

HEAVY DUTY



For Combined Fa & Fr Dynamic;

Frmax = (Graph Max Dynamic Load) - (Fa x R) ----[N]
(L + 43)

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

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

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

Fa (Fr = 0);

Max Dynamic 25 KN

Max Static 30 KN

In Both Directions

Graph L10 Values;

For any motor speed :-

L10 = 6666 * [100rpm] ------ hours
[New Speed rpm]