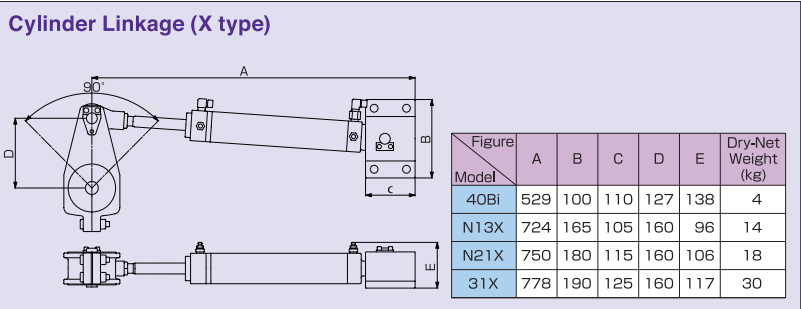
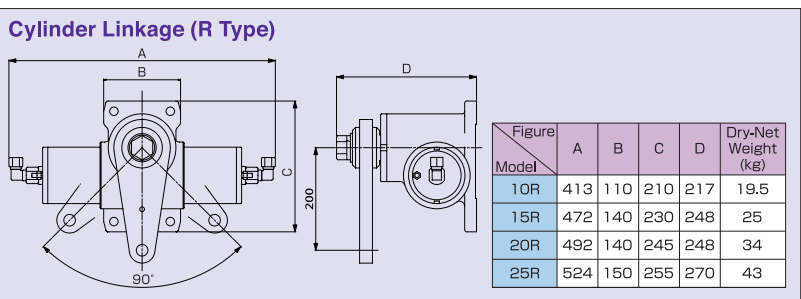
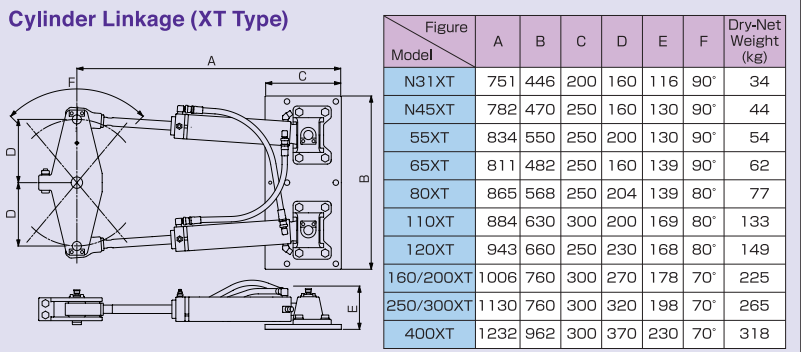
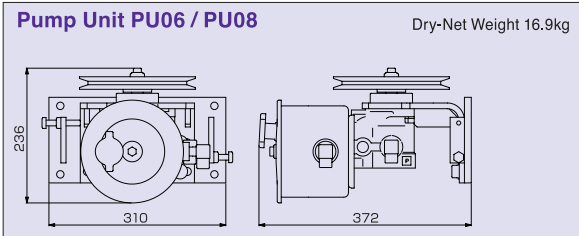
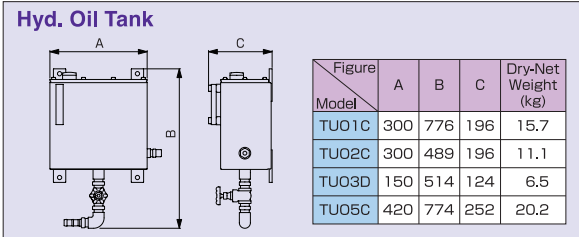
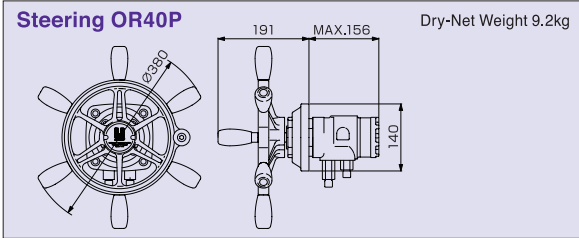
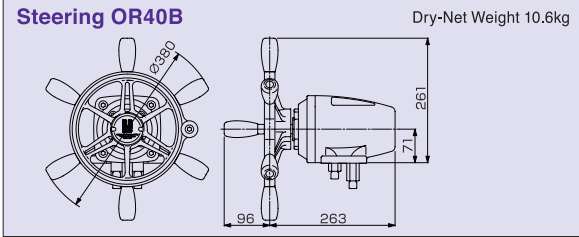
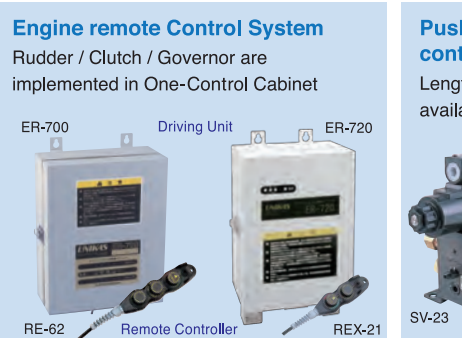
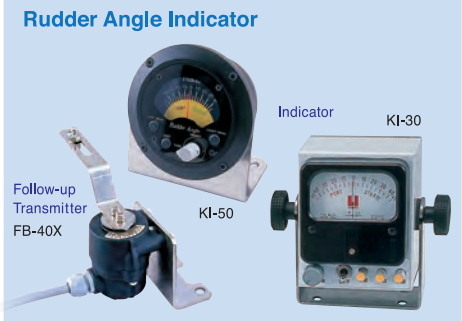


Outline Dimension



Option (Optional Device)



UNIKAS INDUSTRIAL INC.

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Osaka Operation : 7F Nikken Bldg, 2-1-9 Itachibori, Nishi-ku, Osaka, 550-0012 Japan
TEL : +81 6 6535 4871 FAX : +81 6 6535 4874
E-Mail : eigyou@unikas.co.jp

<http://www.unikas.co.jp>

* Before products operation, read the attached instruction manuals thoroughly the respective supplied instruction manual.
* The contents of this catalog are subject to change without prior notice.



POWER HYDRAULIC STEERING SYSTEM

UPS Series

- UPS-N5R
- UPS-10R
- UPS-15R
- UPS-20R
- UPS-25R
- UPS-40Bi
- UPS-N13X
- UPS-N21X
- UPS-31X
- UPS-N31XT
- UPS-N45XT
- UPS-55XT
- UPS-65XT
- UPS-80XT
- UPS-110XT
- UPS-120XT
- UPS-160XT
- UPS-200XT
- UPS-250XT
- UPS-300XT
- UPS-400XT



UNIKAS INDUSTRIAL INC.

ACTIVE POWER STEERING

STEERING

- Measuring function with feedback Control
- Smooth and light feeling Steering Operation enables to trace the imaged sailing
- Emergency steering (when Hydraulic Pump stopped) is performed as W/H Hand Pump



OR40B



Pump Unit

- Hydraulic Power Source System
- Adopted a Balance Typed Vane Pump with built-in Flow Control Valve & Relief Valve
- Highly Durable and powerful pump with less of noise & vibration



PU06 / PU08
(All-in-One with Pump & Oil Tank)

PU06Z / PU08Z



Hyd. Oil Tank TU01C / TU02C
TU03D / TU05C



Standard Type
S-N380



Destroyer Type
S-D380



Sport Type
S-D340

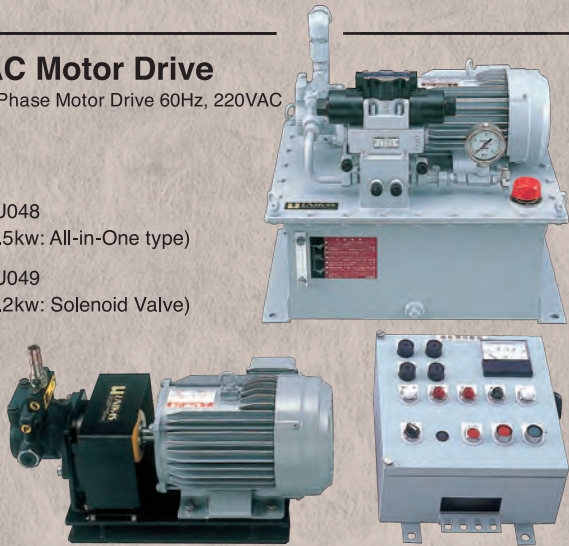


OR40P
Quick-change to Panel type
(available) when dismounting
the casing

AC Motor Drive

3 Phase Motor Drive 60Hz, 220VAC

PU048
(1.5kw: All-in-One type)
PU049
(2.2kw: Solenoid Valve)

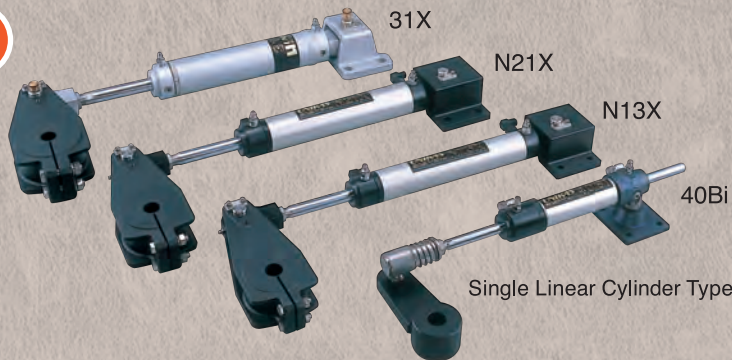


PU050 (2.2kw)
PU051 (1.5kw)

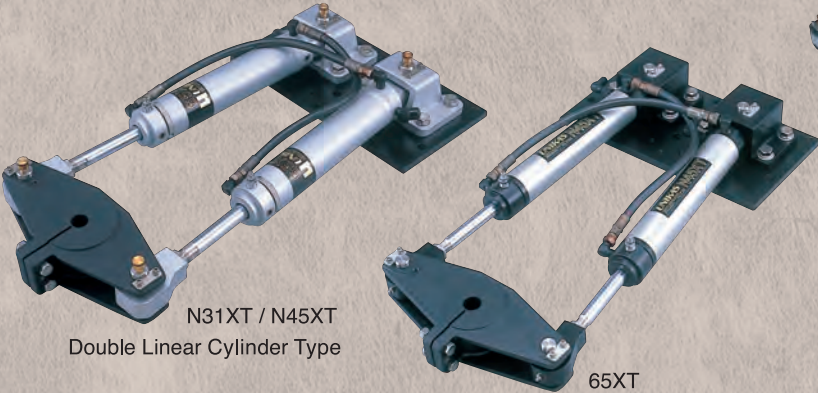
Starter
ST22-220 / ST37-220

Actuator

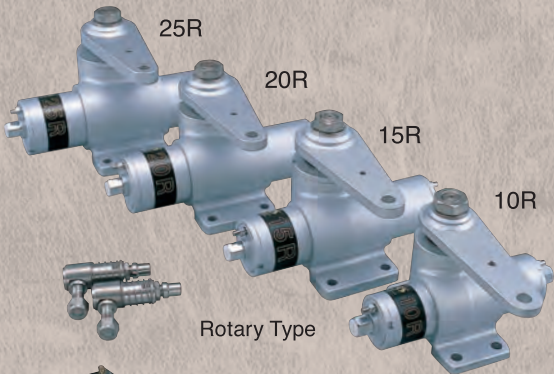
- Lightweight & Compact Design
- Wide Torque Range available 400N-m to 40,000 N-m
- Accumulated technology of Material & Surface Treatment leads to the effective high durability



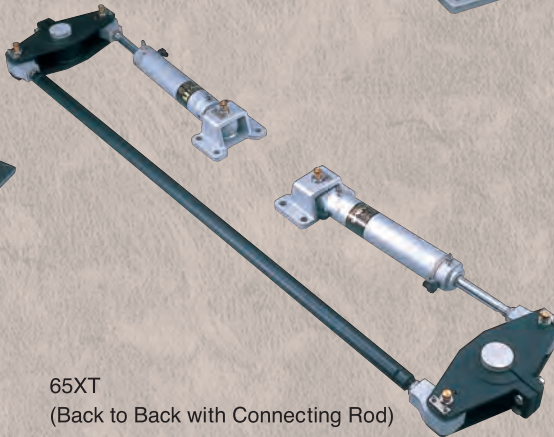
Single Linear Cylinder Type



N31XT / N45XT
Double Linear Cylinder Type



Rotary Type



65XT
(Back to Back with Connecting Rod)

Specification

Item	Maximum Torque of Rudder Stock (N-m)	Helm Pump Wheel Turn / 90deg	Type of Steering	Type of Pump Unit	Type of Oil Tank	Vessel	
						Engine Output (kw)	Length of Vessel (m)
Type R	UPS-N5R	442	2.1	PU06		58.8	9
	UPS-10R	830	3.1			73.5	10
	UPS-15R	1473	5.5			184.0	12
	UPS-20R	1892	5.2				14
	UPS-25R	2386	6.6			221.0	16
Type X / XT	UPS-40Bi	613	3.6			73.5	10
	UPS-N13X	1322	5.3			184.0	12
	UPS-N21X	2059	7.8				14
	UPS-31X	2953	7.9			257.0	
	UPS-N31XT	3060	6.6				
	UPS-N45XT	4655	10.1				
	UPS-55XT	5815	7.6	PU06Z	TU02C	294.0	15
	UPS-65XT	6578	8.6				16
	UPS-80XT	8387	10.0 / 80°				
	UPS-110XT	9.89kN-m	14.3 / 80°				
	UPS-120XT	12.14kN-m	17.5 / 80°				
	UPS-160XT	16.34kN-m	21.0 / 70°				
	UPS-200XT	19.84kN-m	21.0 / 70°		TU01C	404.0	18
	UPS-250XT	24.73kN-m	31.7 / 70°			478.0	
	UPS-300XT	30.03kN-m	31.7 / 70°			552.0	
	UPS-400XT	40.55kN-m	31.4 / 70°			625.0	20
					TU05C	882.0	25
						1176.0	
						1471.0	40