

智能空氣壓縮機系統

Intelligence Air Compressor System

 **KenerAIR**







GE

ISO 9001

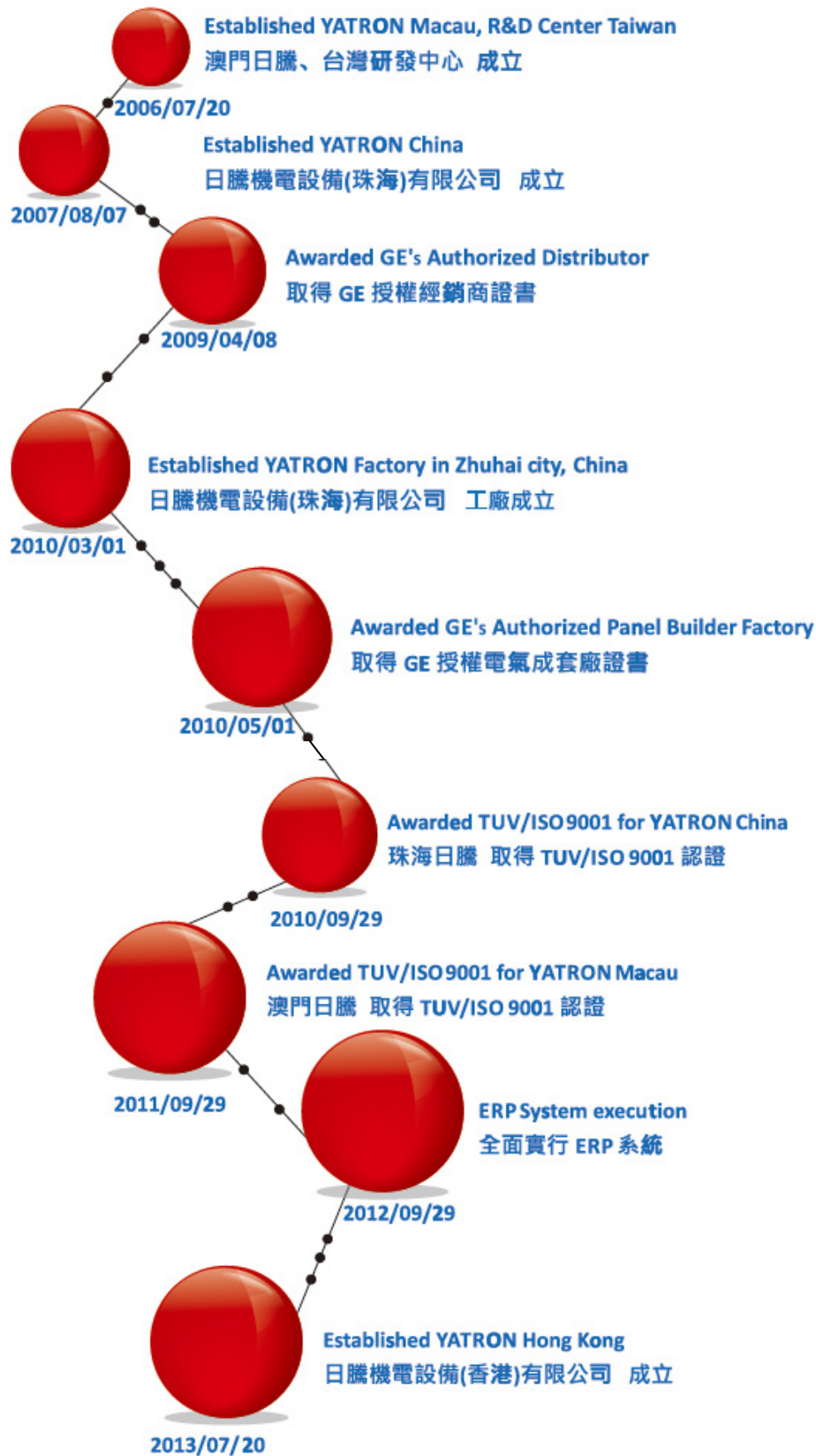
Authorized P.B / Distributor

LOCATIONS



-  : Headquarter 總部
-  : Branch/Representative 分公司/代表處
-  : Factory 工廠
-  : R&D Center 研發中心

HISTORY



SCOPE OF BUSINESSES



GE
Energy

 **YATRON** 日騰
LV Distribution System | Automation System

 **KenerSys**

ENERGY MANAGEMENT

■ About Our Business



YATRON|GE Energy Management is **YATRON|GE**'s

electrification business. We make energy safer and more useful through our ability to transmit, distribute and convert electricity. We integrate leading products and technology to solve customer problems. Our electrical solutions allow utilities and energy-intensive industries such as commercial, healthcare, data center, oil & gas, marine, metals and mining to efficiently manage electricity from the point of generation to the point of consumption.

We offer a full range of electrical capabilities. Our global teams design industry leading technology to improve the transmission, distribution and conversion of electricity, and to help provide safe, efficient and reliable electrical power.



INTRODUCTION

YATRON

YATRON its beginning is from Engineer Mr. Kenneth Chan, who established the YATRON Company in 2006.

The Company is a diversified organization covering Energy Management and Lighting Solutions. From energy, data center, lighting, water, transportation and health.

YATRON's technology comes from GE (General Electric) and is GE's Authorized Switchgear Panel Builder and Distributor. We integrate all systems and make the dream come true by intelligence.

We provide to customers, across various industries and buildings, turn key service solutions that ensure the reliability and protection of the electrical infrastructure; from the power plant, substation, to a facility's critical equipment, and all the power technologies in between. TUV ISO 9001 and ERP system are always applied.

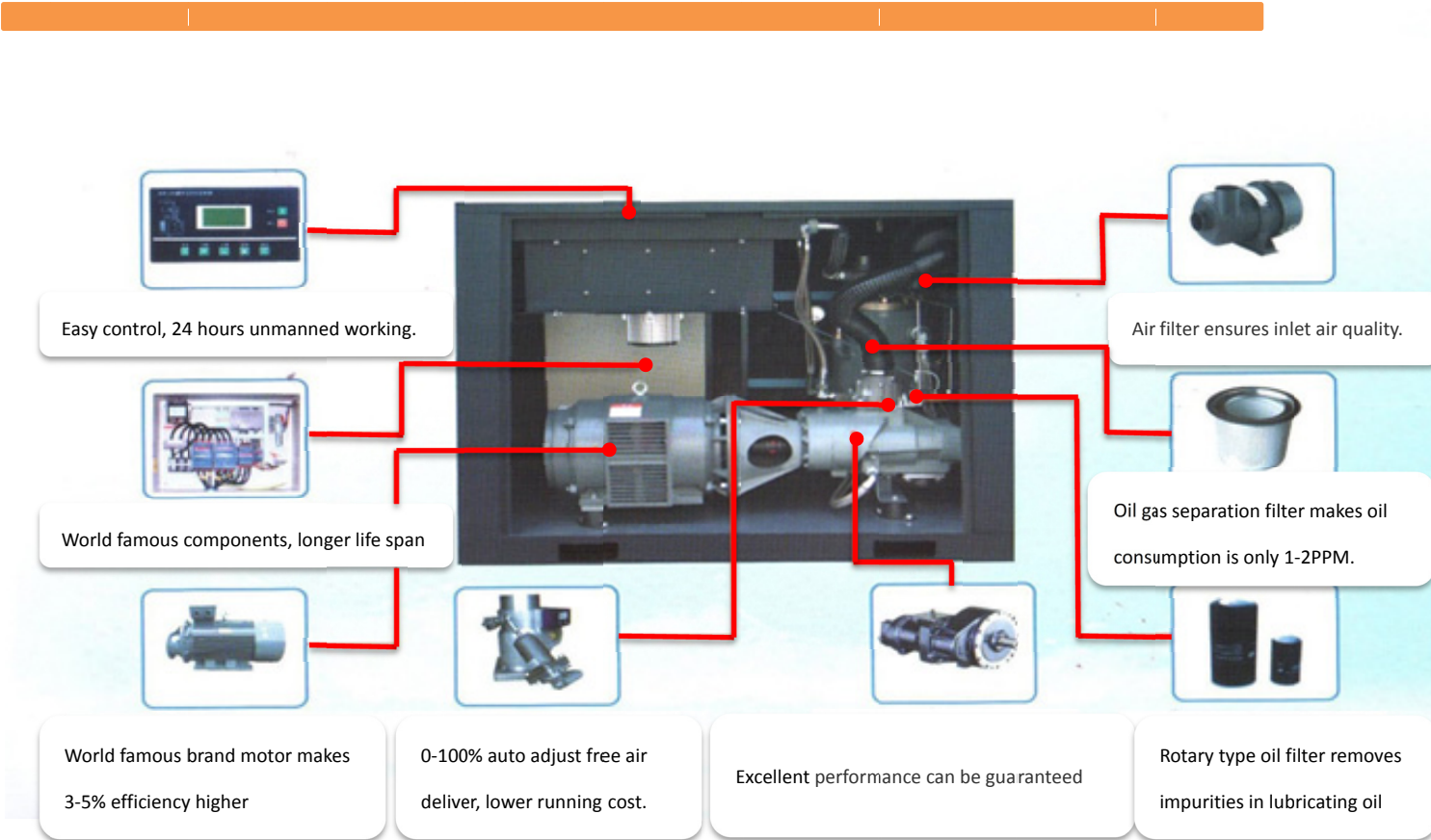


The offers of our Businesses are twofold

- ❑ Manufacture
 - ❑ LV Switchgear and Controlgear
 - ❑ Components and Software of Energy Management System
 - ❑ Lighting Fixture
 - ❑ Smart and Intelligence Air Compressor and System
 - ❑ Energy Consulting Service
- ❑ Energy Management System (EMS), Industrial and Building automation integration, BAS, SCADA, PLC
- ❑ Lighting Solutions
- ❑ High quality and performance equipment and materials
- ❑ Engineering services for EPC and Turn-key projects

KenerAIR

ADVANTAGES



- GE (General Electric)'s technologies with global leader's control components, panels and intelligence system.
- The high quality screw rotor (main engine) adopts generation III asymmetrical 5:6 rotor, selects suitable Length diameter ratio.
- Rotor tangential velocity at only 30-36 m/s, much lower than general compressor which is at 60 m/s.
- Rotors never wear for they keep 0.003 inch clearance.
- Small toothed drop makes smaller backflow loss. Compared to 4:6 rotors, efficiency is improved by 10-12% and energy saving up to 20%.
- Using high quality bearing highly increases our screw rotor life span.



SPECIFICATION

(Multi Belt Type)



MODEL			NORMAL							INVERTER								
(YT-KA-xx-B)			15-B-N	20-B-N	25-B-N	30-B-N	40-B-N	50-B-N	60-B-N	75-B-N	15-B-INV	20-B-INV	25-B-INV	30-B-INV	40-B-INV	50-B-INV	60-B-INV	75-B-INV
Free air deliver/ Discharge pressure	m ³ /min /MPa		1.6/0.7	2.5/0.7	3.2/0.7	3.8/0.7	5.2/0.7	6.8/0.8	7.3/0.7	10.0/0.7	1.6/0.7	2.5/0.7	3.2/0.7	3.8/0.7	5.2/0.7	6.8/0.8	7.3/0.7	10.0/0.7
			1.5/0.8	2.3/0.8	2.9/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.0/0.8	9.1/0.8	1.5/0.8	2.3/0.8	2.9/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.0/0.8	9.1/0.8
			1.3/1.0	2.1/1.0	2.6/1.0	3.2/1.0	4.5/1.0	5.6/0.8	6.0/1.0	8.5/1.0	1.3/1.0	2.1/1.0	2.6/1.0	3.2/1.0	4.5/1.0	5.6/0.8	6.0/1.0	8.5/1.0
			1.1/1.2	1.9/1.2	2.2/1.2	2.8/1.2	3.8/1.2	4.9/0.8	5.6/1.2	7.6/1.2	1.1/1.2	1.9/1.2	2.2/1.2	2.8/1.2	3.8/1.2	4.9/0.8	5.6/1.2	7.6/1.2
No of compression stage			Single stage							Single stage								
Ambient temperature			-5~+45°C							-5~+45°C								
Cooling Model			Air-Cooling							Air-Cooling								
Discharge temperature		°C	Ambient temperature +15°C							Ambient temperature +15°C								
Lubricant		L	18			30		65		18			30		65			
Noise Level		dB(A)	66±2		68±2			72±2		66±2		68±2			72±2			
Drive method			Multi Belt							Multi Belt								
Electricity		V/PH/Hz	380/3/50							380/3/50								
Power		kW/HP	11/15	15/20	18.5/25	22/30	30/40	37/50	45/60	55/75	11/15	15/20	18.5/25	22/30	30/40	37/50	45/60	55/75
Starting method			Y-Δ Starter							Variable Speed drive								
Dimension	length	mm	900	950	1150			1300		1540	900	950	1150			1300		1540
	width	mm	800	800	900			1000		1140	800	800	900			1000		1140
	height	mm	1100	1130	1350			1470		1660	1100	1130	1350			1470		1660
Weight		Kg	440	450	620	650	950	1060	1200	1810	440	450	620	650	950	1060	1200	1810
Air outlet Pipe Diameter		Inch/mm	¾"		1¼"			1½"		2"	¾"		1¼"			1½"		2"

*Ordering numbers: YT-KA-xx-x-S(i) – “xx-x-x” should be selected on the above table, please see the last page (Ordering numbers) in details.

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SPECIFICATION

(Direct Type)



MODEL			NORMAL										
(YT-KA-xx-D)			30-D-N	50-D-N	75-D-N	100-D-N	120-D-N	150-D-N	175-D-N	200-D-N	250-D-N	300-D-N	350-D-N
Free air deliver/ Discharge pressure	m ³ /min		3.8/0.7	6.8/0.8	10.0/0.7	13.5/0.7	16.1/0.7	21/0.7	25.2/0.7	28.7/0.7	32.0/0.8	36.7/0.7	42.0/0.7
			3.6/0.8	6.2/0.8	9.1/0.8	12.6/0.8	15.0/0.8	19.8/0.8	24.0/0.8	27.6/0.8	30.5/0.8	34.5/0.8	40.5/0.8
	/MPa		3.2/1.0	5.6/0.8	8.5/1.0	11.2/1.0	13.8/1.0	17/1.0	21/1.0	24.6/1.0	27.5/0.8	30.2/1.0	38.1/1.0
			2.8/1.2	4.9/0.8	7.6/1.2	10.0/1.2	12.3/1.2	15.3/1.2	18.3/1.2	21.5/1.2	24.8/0.8	27.8/1.2	34.6/1.2
No of compression stage			Single stage										
Ambient temperature			-5~+45°C										
Cooling Model			Air—Cooling				Air-Cooling & Water-Cooling			Water-Cooling			
Discharge temperature	°C	Ambient temperature +15°C											
Lubricant	L	18	30	65			90			110			
Noise Level	dBA	68±2		72±2			75±2			72±2			
Drive method			Direct										
Electricity	V/PH/Hz	380/3/50											
Power	kW/HP	22/30	37/50	55/75	75/100	90/120	110/150	132/175	150/200	185/250	220/300	250/330	
Starting method			Y-Δ Starter										
Dimension	length	mm	1380	1600	2100	1900		Air-Cooling 3000		2800		3300	
								Water-Cooling 2500					
	width	mm	850	1000	1250	1615		Air-Cooling 1620		1800		1900	
								Water-Cooling 1620					
	height	mm	1160	1360	1700	1730		Air-Cooling 1860		1900		1950	
								Water-Cooling 1840					
Weight	Kg	680	1060	1880	1980	2100	2900	3500	3900	4200	4600	5000	
Air outlet Pipe Diameter	Inch/mm	1¼"	1½"	2"			DN65(1½")		DN80(2")		DN100(2")		

*Ordering numbers: YT-KA-xx-x-x-S(i) – “xx-x-x” should be selected on the above table, please see the last page (Ordering numbers) in details.

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SPECIFICATION

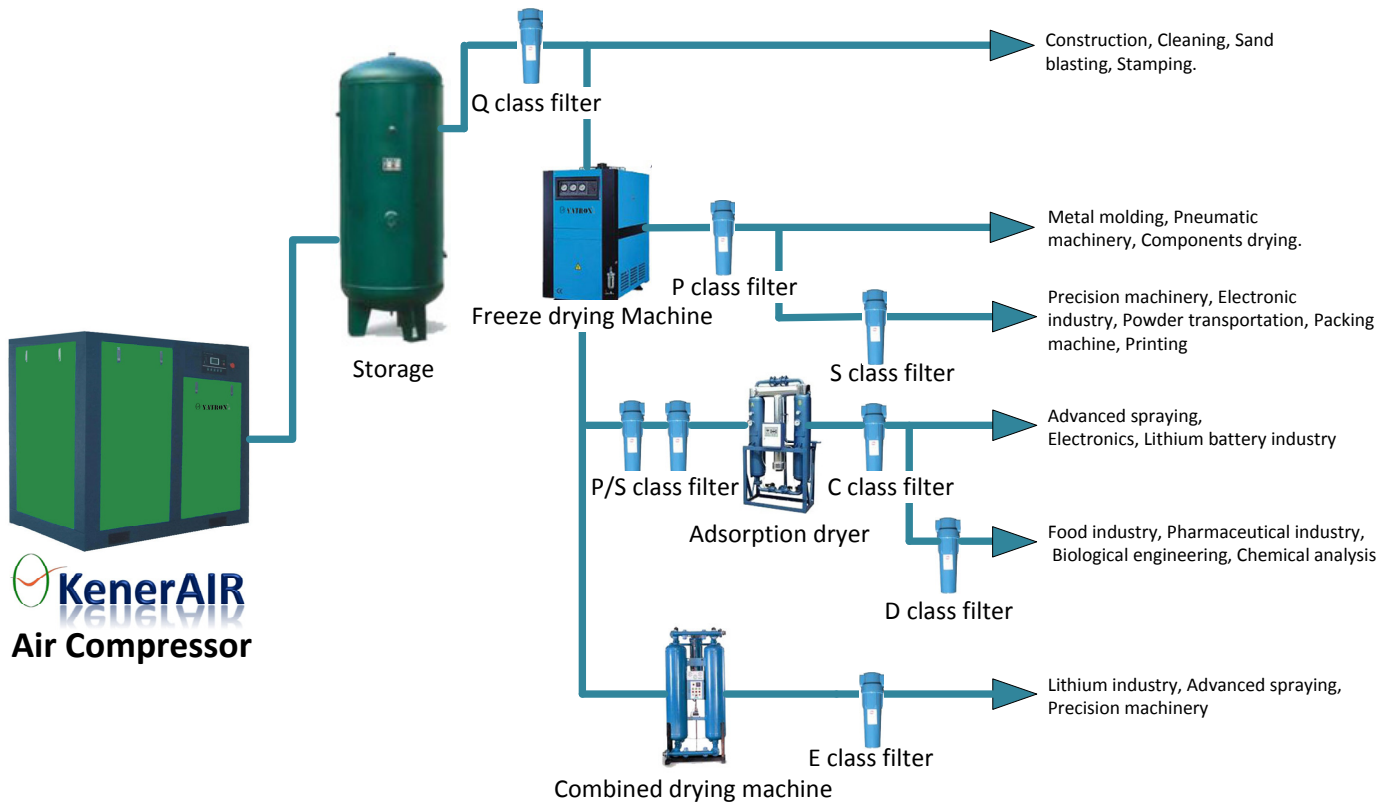
MODEL		INVERTER											
(YT-KA-xx-D)		30-D-INV	50-D-INV	75-D-INV	100-D-INV	120-D-INV	150-D-INV	175-D-INV	200-D-INV	250-D-INV	300-D-INV	350-D-INV	
Free air deliver/ Discharge pressure	m ³ /min	3.8/0.7	6.8/0.8	10.0/0.7	13.5/0.7	16.1/0.7	21/0.7	25.2/0.7	28.7/0.7	32.0/0.8	36.7/0.7	42.0/0.7	
		3.6/0.8	6.2/0.8	9.1/0.8	12.6/0.8	15.0/0.8	19.8/0.8	24.0/0.8	27.6/0.8	30.5/0.8	34.5/0.8	40.5/0.8	
	/Mpa	3.2/1.0	5.6/0.8	8.5/1.0	11.2/1.0	13.8/1.0	17/1.0	21/1.0	24.6/1.0	27.5/0.8	30.2/1.0	38.1/1.0	
		2.8/1.2	4.9/0.8	7.6/1.2	10.0/1.2	12.3/1.2	15.3/1.2	18.3/1.2	21.5/1.2	24.8/0.8	27.8/1.2	34.6/1.2	
No of compression stage		Single stage											
Ambient temperature		-5~+45°C											
Cooling Model		Air-Cooling					Air-Cooling & Water-Cooling		Water-Cooling				
Discharge temperature		°C Ambient temperature +15°C											
Lubricant		L	18	30	65		90		110				
Noise Level		dBA	68±2		72±2			75±2			72±2		
Drive method		Direct											
Electricity		V/PH/Hz	380/3/50										
Power		kW/HP	22/30	37/50	55/75	75/100	90/120	110/150	132/175	150/200	185/250	220/300	250/330
Starting method		Variable Speed drive											
Dimension	length	mm	1380	1600	2100	1900		Air-Cooling 3000		2800		3300	
		mm					Water-Cooling 2500						
	width	mm	850	1000	1250	1615		Air-Cooling 1620		1800		1900	
		mm					Water-Cooling 1620						
	height	mm	1160	1360	1700	1730		Air-Cooling 1860		1900		1950	
		mm					Water-Cooling 1840						
Weight		Kg	680	1060	1880	1980	2100	2900	3500	3900	4200	4600	5000
Air outlet Pipe Diameter		Inch/mm	1¼"	1½"	2"			DN65(1½")		DN80(2")		DN100(2")	

*Ordering numbers: YT-KA-xx-x-x-S(i) – “xx-x-x” should be selected on the above table, please see the last page (Ordering numbers) in details.

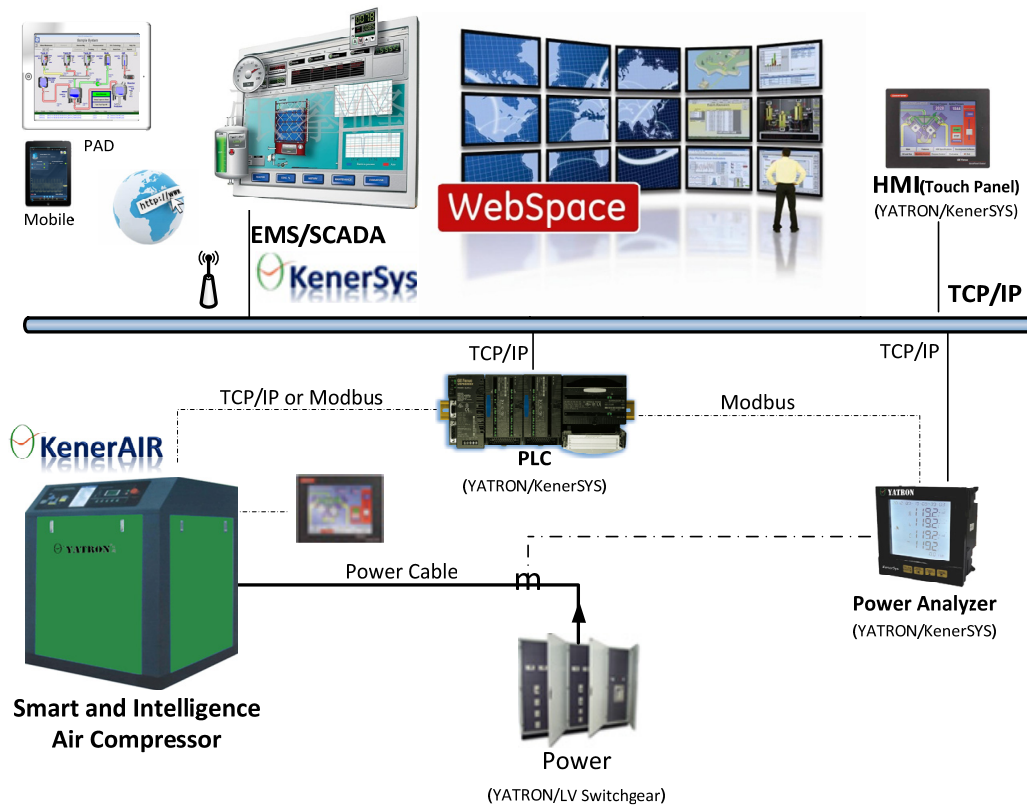
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SCHEMATIC OF COMPRESSED AIR SYSTEM

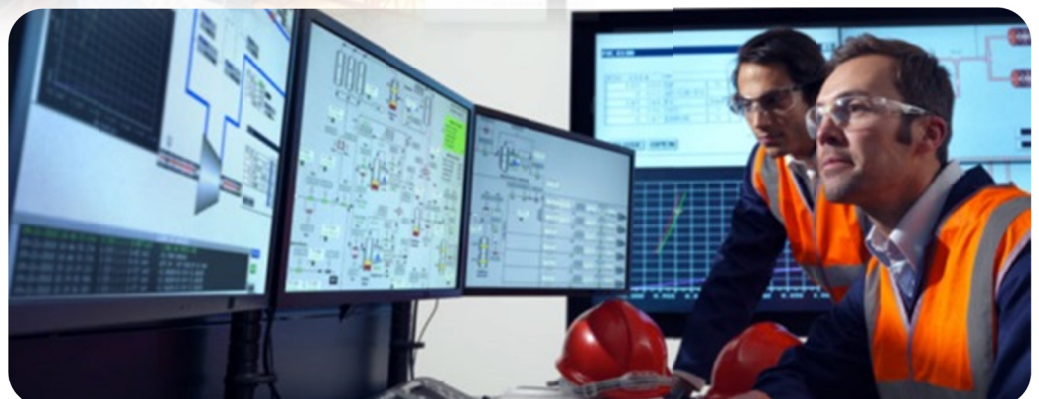
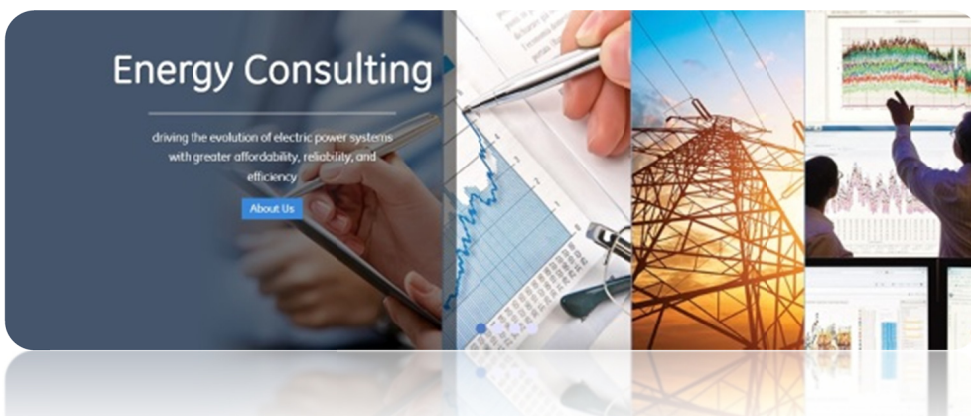
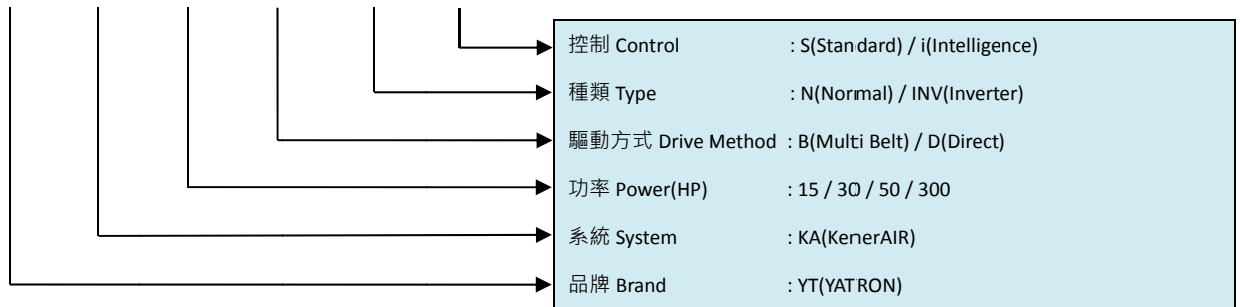


SCHEMATIC OF SMART AND INTELLIGENCE CONTROL SYSTEM



訂貨號 Ordering Numbers

YT-KA-30-M-INV-i





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智慧成就夢想

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