



U.S. Department
of Transportation
**Federal Aviation
Administration**

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

EXTEX Engineered Products, Inc.
340 E Germann, Suite 113
Gilbert, Arizona 85297

PMA No. **PQ2203NM**
Supplement No. 82
Date April 4, 2024

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 10 Stage	E50S610-01	50S610-01	Identicality per 14 CFR 21.303 <u>DWG No:</u> E50S610 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 10 Stage	E50S610-02	50S610-02	Identicality per 14 CFR 21.303 <u>DWG No:</u> E50S610 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 10 Stage	E50S610-03	50S610-03	Identicality per 14 CFR 21.303 <u>DWG No:</u> E50S610 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 10 Stage	E50S610-04	50S610-04	Identicality per 14 CFR 21.303 <u>DWG No:</u> E50S610 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 11 Stage	E51S011-01	51S011-01	Identicality per 14 CFR 21.303 <u>DWG No:</u> E51S011 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 11 Stage	E51S011-02	51S011-02	Identicality per 14 CFR 21.303 <u>DWG No:</u> E51S011 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 11 Stage	E51S011-03	51S011-03	Identicality per 14 CFR 21.303 <u>DWG No:</u> E51S011 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– High Pressure Compressor 11 Stage	E51S011-04	51S011-04	Identicality per 14 CFR 21.303 <u>DWG No:</u> E51S011 <u>Rev:</u> B <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4050 PW4052 PW4056 PW4060 PW4060A PW4060C PW4062 PW4062A PW4152 PW4156 PW4156A PW4158 PW4160 PW4460 PW4462 PW4650 PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170
Blade– HPC 10 Stg	E55H110-01	55H110-01	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H110 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B-1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– HPC 10 Stg	E55H110- 02	55H110-02	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H110 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B- 1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170
Blade– HPC 10 Stg	E55H110- 03	55H110-03	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H110 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B- 1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170
Blade– HPC 10 Stg	E55H110- 04	55H110-04	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H110 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B- 1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade– HPC 11 Stg	E55H511- 01	55H511-01	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H511 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B- 1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170
Blade– HPC 11 Stg	E55H511- 02	55H511-02	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H511 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B- 1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170
Blade– HPC 11 Stg	E55H511- 03	55H511-03	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H511 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B- 1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade- HPC 11 Stg	E55H511- 04	55H511-04	Identicality per 14 CFR 21.303 <u>DWG No:</u> E55H511 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4164 PW4164-1D PW4164C PW4164C/B PW4164C/B- 1D PW4164C-1D PW4168 PW4168-1D PW4168A PW4168A-1D PW4170
Blade- HPC 10 Stg	E56H710- 01	56H710-01	Identicality per 14 CFR 21.303 <u>DWG No:</u> E56H710 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4074 PW4074D PW4077 PW4077D PW4084 PW4084D PW4090 PW4090-3 PW4090D PW4098
Blade- HPC 10 Stg	E56H710- 02	56H710-02	Identicality per 14 CFR 21.303 <u>DWG No:</u> E56H710 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4074 PW4074D PW4077 PW4077D PW4084 PW4084D PW4090 PW4090-3 PW4090D PW4098
Blade- HPC 10 Stg	E56H710- 03	56H710-03	Identicality per 14 CFR 21.303 <u>DWG No:</u> E56H710 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4074 PW4074D PW4077 PW4077D PW4084 PW4084D PW4090 PW4090-3 PW4090D PW4098

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Blade- HPC 10 Stg	E56H710- 04	56H710-04	Identicality per 14 CFR 21.303 <u>DWG No:</u> E56H710 <u>Rev:</u> A <u>Date:</u> 9/13/2023 or later FAA-approved revisions	Pratt & Whitney	PW4074 PW4074D PW4077 PW4077D PW4084 PW4084D PW4090 PW4090-3 PW4090D PW4098

-----End of Listing-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the West Certification Branch (WCB). Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.

**MARK D
MATZKE** Digitally signed by MARK
D MATZKE
Date: 2024.04.05
15:11:22 -07'00'

for Gregory S. DiLibero, Manager
West Certification Branch
Compliance & Airworthiness Division
Aircraft Certification Service

**TODD E
VORHAUER** Digitally signed by TODD
E VORHAUER
Date: 2024.04.09
07:32:40 -07'00'

for John P. Riggs, Manager
Scottsdale Certificate Management Section
West Certificate Management Branch
Systems Oversight Division
Aircraft Certification Service